

## FOXP3

### Rabbit Anti-Human Forkhead Box P3 Clone Poly6238 pAb

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| <b>Catalog No.</b>      | CSI14290<br>CSI14291                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Quantity:</b> | 50 µl<br>200 µl |
| <b>Alternate Names:</b> | Forkhead box protein P3, Scurfin, JM2, IPEX, Zinc finger protein JM2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |                 |
| <b>Description:</b>     | The forkhead/winged helix transcription factor FOXP3 is proposed to be a master regulatory gene and more specific marker of T regulatory cells than most cell surface markers (such as CD4 and CD25). Transduced expression of FOXP3 in CD4+/CD25- cells has been shown to induce GITR, CD103, and CTLA4 and impart a T regulatory cell phenotype. FOXP3 is mutated in X-linked autoimmunity-allergic dysregulation syndrome (XLAAD or IPEX) in humans and in "scurfy" mice. Overexpression of FOXP3 has been shown to lead to a hypoactive immune state suggesting that this transcriptional factor is a central regulator of T cell activity. The Poly6238 antibody recognizes both human and mouse FOXP3 and has been shown to be useful for Western blotting. |                  |                 |
| <b>Concentration:</b>   | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                 |
| <b>Gene ID:</b>         | 50943                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |
| <b>Structure:</b>       | Forkhead/winged-helix transcription factor family, approximately 50 kD, contains zinc finger and forkhead domains.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |
| <b>Distribution:</b>    | Nuclear; expressed in T cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |                 |
| <b>Host:</b>            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |                 |
| <b>Immunogen:</b>       | Peptide-KLH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                 |
| <b>Isotype:</b>         | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |                 |
| <b>Clone:</b>           | Poly6238                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |                 |
| <b>Function:</b>        | Transcription factor proposed to be a master regulatory gene in T regulatory cell development and a critical factor for immune homeostasis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                 |
| <b>Formulation:</b>     | This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                 |
| <b>Purification:</b>    | The antibody was purified by antigen affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |                 |
| <b>Regulation:</b>      | FOXP3 is present at high levels in T regulatory cell can also be induced by T cell activation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |                 |
| <b>Reactivity:</b>      | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |                 |



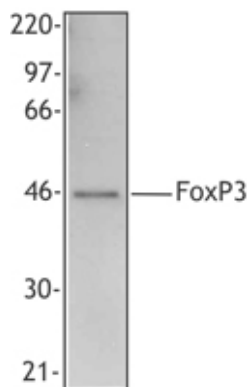
**Applications:** Western Blot, IHC

**Recommended Usage:** Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl antibody per 5 ml antibody dilution buffer for each mini-gel. If primary CD4+CD25+ cells are used, it is recommended that 0.5-1 x 10<sup>6</sup> cell equivalents be loaded per lane. For immunohistochemical staining of paraffin-embedded sections, the suggested use of this reagent is 1:20 dilution. It is recommended that the reagent be titrated for optimal performance for each application.

**Storage & Stability:** Upon receipt, store frozen at -20° C.

**Interaction:** Interacts with DNA

Western blot analysis of extracts from HEK293T cells transfected with human FoxP3 cDNA, using anti-FoxP3, Poly6238.



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