

## Mouse Monoclonal Antibody to IL-2

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| <b>Catalogue Number</b>        | sAP-0257   |
| <b>Target Molecule</b>         | <b>Name:</b> IL-2<br><b>Aliases:</b> Aldesleukin; TCGF; interleukin-2<br><b>MW:</b> 17.6kDa<br><b>Entrez Gene ID:</b> 3558   |
| <b>Description</b>             | IL-2: interleukin-2. Entrez Protein NP_000577. It is a 17.6kDa secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. |
| <b>Immunogen</b>               | Purified recombinant fragment of IL2 expressed in E. Coli.   |
| <b>Recombinant Species</b>     | Human  |
| <b>Clone</b>                   | MM8D5;   |
| <b>Size and Concentration</b>  | 100µg/1mg/ml   |
| <b>Supplied as</b>             | Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.  |
| <b>Reconstitution/Storages</b> | Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage   |
| <b>Applications</b>            | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000  |
| <b>Shipping</b>                | Regular FEDEX overnight shipment (ambient temperature)   |
| <b>Reference</b>               | 1. Leukemia. 2008 Dec;22(12):2201-7. ; 2. J Immunol. 2008 Feb 1;180(3):1490-8. ;   |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**