

# Immunotag™ Tyro3 Monoclonal Antibody

| Antibody Specification |                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITM0639                                                                                                                                                                               |
| Product Description    | Immunotag™ Tyro3 Monoclonal Antibody                                                                                                                                                  |
| Size                   | 50 µg, 100 µg                                                                                                                                                                         |
| Conjugation            | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647                                                         |
| IMPORTANT NOTE         | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.                    |
| Target Protein         | Tyro3                                                                                                                                                                                 |
| Clonality              | Monoclonal                                                                                                                                                                            |
| Storage/Stability      | -20°C/1 year                                                                                                                                                                          |
| Application            | WB,IF,ELISA                                                                                                                                                                           |
| Recommended Dilution   | Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.                                                               |
| Concentration          | 1 mg/ml                                                                                                                                                                               |
| Reactive Species       | Human                                                                                                                                                                                 |
| Host Species           | Mouse                                                                                                                                                                                 |
| Immunogen              | Purified recombinant fragment of Tyro3 expressed in E. Coli.                                                                                                                          |
| Specificity            | Tyro3 Monoclonal Antibody detects endogenous levels of Tyro3 protein.                                                                                                                 |
| Purification           | Affinity purification                                                                                                                                                                 |
| Form                   | Ascitic fluid containing 0.03% sodium azide.                                                                                                                                          |
| Gene Name              | TYRO3                                                                                                                                                                                 |
| Accession No.          | Q06418 P55144                                                                                                                                                                         |
| Alternate Names        | TYRO3; BYK; DTK; RSE; SKY; Tyrosine-protein kinase receptor TYRO3; Tyrosine-protein kinase DTK; Tyrosine-protein kinase RSE; Tyrosine-protein kinase SKY; Tyrosine-protein kinase byk |

## Antibody Specification

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| Description              | TYRO3 protein tyrosine kinase(TYRO3) Homo sapiens The gene is part of a 3-member transmembrane receptor kinase receptor family with a processed pseudogene distal on chromosome 15. The encoded protein is activated by the products of the growth arrest-specific gene 6 and protein S genes and is involved in controlling cell survival and proliferation, spermatogenesis, immunoregulation and phagocytosis. The encoded protein has also been identified as a cell entry factor for Ebola and Marburg viruses. [provided by RefSeq, May 2010],                                                                                                                                                                                                             |
| Protein Expression       | Brain,Cervix,Skin,Testis,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Subcellular Localization | nucleus,nuclear envelope,endoplasmic reticulum membrane,integral component of plasma membrane,integral component of membrane,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Protein Function         | catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:May be involved in cell adhesion processes, particularly in the central nervous system. In case of filovirus infection, seems to function as a cell entry factor.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. AXL/UFO subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 2 fibronectin type-III domains.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Monomer and homodimer. Interacts with GAS6.,tissue specificity:Abundant in the brain and lower levels in other tissues., |
| Usage                    | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |