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Datasheet for ABIN7520179
CD25 Protein (Fc Tag)

Overview

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| Quantity: | 10 µg |
| Target: | CD25 (IL2RA) |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This CD25 protein is labelled with Fc Tag. |

Product Details

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| Purpose: | Recombinant Mouse IL-2-RA/CD25 Protein |
| Sequence: | ELCLYDPPEV PNATFKALSY KNGTILNCEC KRGFRRLKEL VYMRCLGNSW SSNCQCTSNS HDKSRKQVTA QLEHQKEQQT TTDMQKPTQS MHQENLTGHC REPPPWKHED SKRIYHFVEG QSVHYECIPG YKALQRGPAI SICKMKCGKT GWTQPQLTCV DEREHHRFLA SEESQGSRNS SPESETSCPI TTTDFPQPTE TTAMTETFVL TMEYK |
| Specificity: | Glu22-Lys236 |
| Purity: | > 95 % by SDS-PAGE. |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | <0.1EU/µg |
| Biological Activity Comment: | Measured by its binding ability in a functional ELISA. Immobilized APC anti-mouse CD25 Antibody at 1µg/mL (100 µL/well) can bind Mouse CD25 with a linear range of 0.46-6 ng/mL. |

Target Details

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| Target: | CD25 (IL2RA) |
| Alternative Name: | IL-2-RA/CD25 (IL2RA Products) |
| Background: | <p>Description: The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown.</p> <p>Name: CD25, Il2r, Ly-43, p55, CD25, IL2R, IMD41, TCGFR, IDDM10</p> |
| Gene ID: | 16184 |
| UniProt: | P01590 |
| Pathways: | JAK-STAT Signaling , Growth Factor Binding , Activated T Cell Proliferation |

Application Details

Restrictions: For Research Use only

Handling

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| Format: | Lyophilized |
| Reconstitution: | Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles. |
| Buffer: | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. |