



[Go to Product page](#)

Datasheet for ABIN7196470

IL2 Receptor beta Protein (His tag)

1 Image

Overview

| | |
|-------------------------------|----------------------------------------------------------|
| Quantity: | 50 µg |
| Target: | IL2 Receptor beta (IL2RB) |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This IL2 Receptor beta protein is labelled with His tag. |

Product Details

| | |
|------------------|-------------------------------------------------------------------------------------------------------------------|
| Purpose: | Recombinant Mouse CD122/IL-2RB Protein (His Tag) |
| Sequence: | Met1-Glu240 |
| Characteristics: | A DNA sequence encoding the mouse IL2RB (P16297) (Met1-Glu240) was expressed with a C-terminal polyhistidine tag. |
| Purity: | > 90 % as determined by SDS-PAGE |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method. |

Target Details

| | |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | IL2 Receptor beta (IL2RB) |
| Alternative Name: | CD122/IL-2RB (IL2RB Products) |
| Background: | Background: Interleukin-2 receptor (IL-2R) also known as High affinity IL-2 receptor subunit beta, IL-2 receptor subunit beta, and IL-2RB, is involved in T cell-mediated immune responses. CD122/IL-2RB is present in 3 forms with respect to ability to bind interleukin 2. The low affinity |

Target Details

form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of CD122/IL-2RB are involved in receptor-mediated endocytosis and transduction of mitogenic signals from interleukin 2. CD122/IL-2RB expression was restricted to the earliest B220+ cells (CD43+CD24-, prepro B cells, fraction A) that proliferate vigorously to IL-2 in the absence of any stromal cells, but not to IL-15. The high-affinity form of this receptor is expressed on activated T lymphocytes, activated B lymphocytes, and activated macrophages. CD122/IL-2RB plays a role in regulating normal lymphocyte development.

Synonym: CD122,IL-15Rbeta,IL-2/15Rbeta,IL-2Rbeta,IL15Rbeta,p70

Molecular Weight: 26.5 kDa

UniProt: [P16297](#)

Pathways: [JAK-STAT Signaling](#), [Growth Factor Binding](#)

Application Details

Restrictions: For Research Use only

Handling

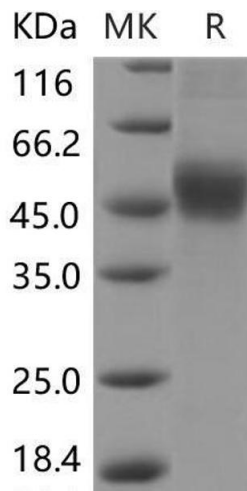
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.