

Human CellExp IL-2 R beta /CD122, human recombinant protein
IL2RB, RP5-1170K4.6, CD122, P70-75
Catalog # PBV11014r**Specification**

Human CellExp IL-2 R beta /CD122, human recombinant protein - Product infoPrimary Accession
Calculated MW[P14784](#)

This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 25.4 kDa. The predicted N-terminus is Ala 27. DTT-reduced Protein migrates as 40 kDa due to glycosylation. KDa

Human CellExp IL-2 R beta /CD122, human recombinant protein - Additional InfoGene ID **3560**
Gene Symbol **IL2RB****Other Names**

IL2RB, RP5-1170K4.6, CD122, P70-75

Gene Source	Human
Source	HEK293 cells
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Measured by its ability to inhibit the IL-15-dependent proliferation of MO7e human megakaryocytic leukemic cells. The ED50 for this effect is typically 0.5 - 2.5 µg/mL in the presence of 4.0 ng/mL of recombinant human IL-15.

Target/Specificity

IL-2 R beta /CD122

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format

Lyophilized

Storage

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

Human CellExp IL-2 R beta /CD122, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp IL-2 R beta /CD122, human recombinant protein - Images

Human CellExp IL-2 R beta /CD122, human recombinant protein - Background

Interleukin-2 receptor (IL-2R) is a heterotrimeric protein expressed on the surface of certain immune cells, such as lymphocytes, that binds and responds to a cytokine called IL-2. The IL-2R is made up of 3 subunits - α (CD25), β (CD122) and γ (CD132) - non-covalently associating. The α and β chains are involved in binding IL-2, while signal transduction following cytokine interaction is carried out by the γ -chain, along with the β subunit. CD122 also known as IL2R beta, is a member of the type I cytokine receptor family. CD122 is the receptor for interleukin-2 and is involved in receptor mediated endocytosis and transduces the mitogenic signals of IL2.

Human CellExp IL-2 R beta /CD122, human recombinant protein - References

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