

Datasheet for ABIN1684693

IL1R2 Protein (C-Term, Extracellular Domain)[Go to Product page](#)

Overview

Quantity:	200 µg
Target:	IL1R2
Protein Characteristics:	C-Term, Extracellular Domain
Origin:	Mouse
Source:	HEK-293T Cells
Protein Type:	Recombinant

Product Details

Specificity:	Optimized DNA sequence encoding Mouse extracellular domain of mouse IL-1 receptor type II including a C-terminal His tag was expressed in HEK293 cells.
Characteristics:	Recombinant mouse IL-1 receptor type II (CD121b) is a protein consisting of 583 amino acid residue subunits, due to glycosylation migrates as an approximately 90 kDa protein on SDS-PAGE.
Purity:	> 97 %, as determined by SDS-PAGE and HPLC
Sterility:	0.2 µm filtered
Endotoxin Level:	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/µg(1EU/µg).

Target Details

Target:	IL1R2
Alternative Name:	IL1R2 (IL1R2 Products)

Target Details

Background: IL11 is secreted by bone marrow stromal cells (fibroblasts) and is produced also by a number of mesenchymal cells. The IL11 receptor (alpha chain) utilizes gp130 as its signal transducer, which is also a component of other cytokine receptors. The alpha chain of the IL-11 receptor has been identified independently as EtI2. IL11 promotes primary and secondary immune responses in vitro and in vivo and modulates antigen-specific antibody reactions. IL11 promotes the proliferation of IL6 dependent plasmacytoma cell lines in the presence of neutralizing IL6 antibodies. IL11 also stimulates the T-cell dependent development of IgG-secreting B-cells in spleen cell cultures. IL11 inhibits the differentiation of pre-adipocytes. It induces the synthesis of some acute phase proteins by hepatocytes.

UniProt: [P27931](#)

Pathways: [NF-kappaB Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS solution, pH 7.2, 5 % Trehalose.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: The lyophilized protein is stable for at least years from date of receipt at -20 °C. Upon reconstitution, this cytokine can be stored in working aliquots at -8 °C for one month, or at -20 °C for six months, with a carrier protein without detectable loss of activity.

Expiry Date: 12-24 months