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Datasheet for ABIN7533932
IL18R1 Protein (Fc Tag,His tag)

Overview

Quantity:	100 µg
Target:	IL18R1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL18R1 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human IL-18R1/CD218a Protein
Sequence:	ESCTSRPHIT VVEGEPFYLK HCSCSLAHEI ETTTKSWYKS SGSQEHVELN PRSSSRIALH DCVLEFWPVE LNDTGSYFFQ MKNYTQKWKL NVIRRNKHSC FTERQVTSKI VEVKKFFQIT CENSYYQTLV NSTSLYKNCK KLLLENNKNP TIKKNAEFED QGYYSVCVHFL HHNGKLFNIT KTFNITIVED RSNIVPVLG PKLNHVAVEL GKNVRLNCSA LLNEEDVIYW MFGEENGSDP NIHEEKEMRI MTPPEGKWHAS KVLRIENIGE SNLNVLYNCT VASTGGTDTK SFILVRKADM ADIPGHVFTR
Specificity:	Glu20-Arg329
Purity:	> 85 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.Immobilized IL18R1 Mouse mAb at 1µ

Product Details

g/mL (100 µL/well) can bind Human IL18R1 with a linear range of 0.03-1.06ng/ml.

Target Details

Target: IL18R1

Alternative Name: IL-18R1/CD218a ([IL18R1 Products](#))

Background: Description: The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This receptor specifically binds interleukin 18 (IL18), and is essential for IL18 mediated signal transduction. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells. This gene along with four other members of the interleukin 1 receptor family, including IL1R2, IL1R1, ILRL2 (IL-1Rrp2), and IL1RL1 (T1/ST2), form a gene cluster on chromosome 2q. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Name: IL18R1,CD218a,CDw218a,IL-1Rrp,IL18RA,IL1RRP,IL18R1/IL-18 R alpha

Gene ID: 8809

UniProt: [Q13478](#)

Application Details

Restrictions: For Research Use only

Handling

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.