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Datasheet for ABIN7196405
IL13RA2 Protein (His tag,Fc Tag)

1 Image

Overview

Quantity:	100 µg
Target:	IL13RA2
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL13RA2 protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Mouse IL13RA2/CD213A2 Protein (His & Fc Tag)(Active)
Sequence:	Met 1-Lys 334
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Lys 334) of mouse IL13Ra2 (NP_032382.1) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Purity:	> 85 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	1. Immobilized human IL13 at 20 µg/ml (100 µl/well) can bind mouse IL13RA2 with a linear ranger of 0.5-2 µg/ml.2. Measured by its ability to inhibit IL13-dependent proliferation of TF1 human erythroleukemic cells. The ED50 for this effect is typically 5-30 ng/ml.

Target Details

Target:	IL13RA2
Alternative Name:	IL13RA2/CD213A2 (IL13RA2 Products)
Background:	<p>Background: Interleukin-13 receptor subunit alpha-2 (IL13RA2/IL-13RA2) is also known as also known as cluster of differentiation 213A2 (CD213A2), IL-13 receptor subunit alpha-2, IL-13R subunit alpha-2, and IL-13RA2. The IL13RA2 is often overexpressed in brain tumors, making Il13ra2 one of the vaccine targets for immunotherapy of glioma. IL13RA2/IL-13RA2 is a cancer-associated receptor that is present in greater than 80% of High Grade Astrocytomas (HGA) and has recently been recognized as a cytokine that predisposes breast cancer cells to metastasize. Expression of IL13Ra2 was rapidly lost from the surface of transduced cells grown in culture. The loss appeared to be related to ligands present in fetal bovine serum in the medium. None of the malignant glioma cell lines cultivated in vitro and tested to date exhibited the IL13Ra2 receptor. A recombinant virus (R5111) enters cells via its interaction with the IL13R α2 receptor in a manner that cannot be differentiated from the interaction of wild-type virus with its receptors.</p> <p>Synonym: CD213a2</p>

Molecular Weight: 64.5 kDa

NCBI Accession: [NP_032382](#)

Application Details

Restrictions: For Research Use only

Handling

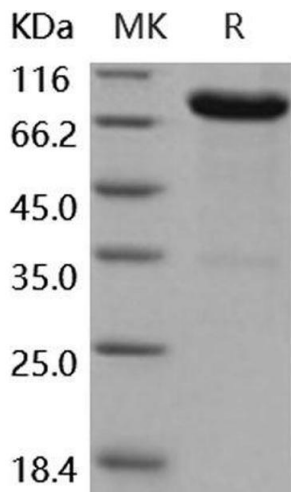
Format: Lyophilized

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.