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Datasheet for ABIN1684702

IL13RA2 Protein (Extracellular Domain)

Overview

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|--------------------------|----------------------|
| Quantity: | 200 µg |
| Target: | IL13RA2 |
| Protein Characteristics: | Extracellular Domain |
| Origin: | Mouse |
| Source: | HEK-293T Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |

Product Details

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| Specificity: | Optimized DNA sequence encoding extracellular domain of mouse IL-13 receptor alpha2 including an His tag was expressed in HEK293 cells. |
| Characteristics: | Recombinant mouse IL-13 receptor alpha is a monomer protein consisting of 325 amino acid residue subunits, due to glycosylation migrates as an approximately 50kDa protein on SDS-PAGE. |
| Purity: | > 98 %, 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

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|---------|---------|
| Target: | IL13RA2 |
|---------|---------|

Target Details

Alternative Name: [IL13RA2 \(IL13RA2 Products\)](#)

Background: PDGF is synthesized mainly by megakaryocytes. It is stored in the alpha granules of platelets from which it is released after cell activation of platelets. Platelets synthesize a mixture of the three possible isoforms (BB,AB,AA) while fibroblasts stimulated with EGF synthesize AA homodimers. PDGF receptors are expressed in fibroblasts, osteoblasts, chondroblasts, smooth muscle cells, glial cells, and endothelial cells. Two related receptors, are PDGFRalpha (CD140a) or PDGFRbeta (CD140b). In contrast to many other cytokines PDGF is not released into the circulation. PDGF binds to several plasma proteins and also to proteins of the extracellular matrix which facilitates local concentration of the factor. The factor functions as a local autocrine and paracrine growth factor. In the adult organism PDGF is involved in wound healing processes. The aberrant expression of PDGF is observed with vascular proliferative diseases such as atherosclerosis. PDGF regulates the synthesis of its own receptor and also influences the expression of membrane receptors for IL1, EGF, 5-Hydroxytryptamine, LDL, transferrin, and muscarinergic receptor.

UniProt: [O88786](#)

Application Details

Comment: The activity was measured by its ability to inhibit proliferation of IL-13 dependent TF1 Cells. The ED50 was determined to be 0.1-0.5 µg/mL.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS solution, pH7.2

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
