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Datasheet for ABIN1684678

CD48 Protein (CD48) (C-Term, Extracellular Domain)

Overview

Quantity:	100 µg
Target:	CD48
Protein Characteristics:	C-Term, Extracellular Domain
Origin:	Mouse
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Specificity:	Optimized DNA sequence encoding extracellular domain of Mouse CD48 including a C-terminal 6His tag was expressed in HEK293 cells.
Characteristics:	Recombinant Mouse CD48 is a monomer protein consisting of 05 amino acid residue subunits, due to glycosylation migrates as an approximately 40 kDa protein on SDS-PAGE.
Purity:	> 95 %, 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:	CD48
Alternative Name:	CD48 (CD48 Products)

Target Details

Background: IL6 is produced by many different cell types. The main sources in vivo are stimulated monocytes, fibroblasts, and endothelial cells. Macrophages, T-cells and B-lymphocytes, granulocytes, smooth muscle cells, eosinophils, chondrocytes, osteoblasts, mast cells, glial cells, and keratinocytes also produce IL6 after stimulation. IL6 is a member of a family of cytokines, which also includes LIF, CNTF, Oncostatin M, IL11, and CT-1. All known members of the IL6 cytokine family induce hepatic expression of acute phase proteins. The IL6 receptor is expressed on T-cells, mitogen-activated B-cells, peripheral monocytes and some macrophage- and B-cell derived tumor cell types. It is not expressed in resting B-cells but in resting T-cells. The IL6 receptor is a strongly glycosylated protein of 80 kDa and a length of 449 amino acids. It has been designated CD126.

UniProt: [P18181](#)

Application Details

Comment: The activity was tested by immobilized recombinant mouse CD48 (10 µg/mL) ability to bind recombinant CD2 with a linear range of 0-100 ng/mL.

Restrictions: For Research Use only

Handling

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