Datasheet for ABIN7321164

CLEC2D Protein (Fc Tag)

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1 Image

Overview

Quantity:	100 µg
Target:	CLEC2D
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLEC2D protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Rat CLEC2D/OCIL Protein (Fc Tag)
Sequence:	Lys98-Leu233
Characteristics:	A DNA sequence encoding the rat CLEC2D (NP_569086.1) (Lys98-Leu233) was expressed with Fc region of human IgG1 at the N-terminus.
Purity:	(76.7+14.8) % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

Target Details

Target:	CLEC2D
Alternative Name:	CLEC2D/OCIL (CLEC2D Products)
Background:	Background: Lectin-like transcript 1 (LLT1) encoded by CLEC2D gene is a C-type lectin-like molecule interacting with human CD161 (NKR-P1A) receptor expressed by natural killer cells and subsets of T cells. CLEC2D transcripts were detected primarily in hematopoietic cell lines

Target Details

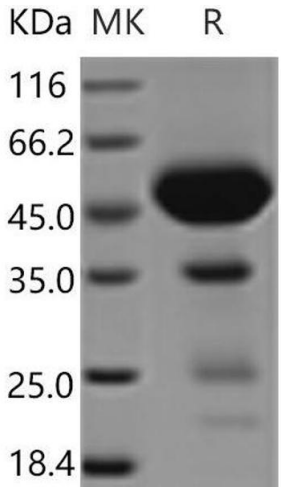
	and were found to be co-induced by the same activation signals. Although very low amounts of putative soluble CLEC2D protein isoforms could be produced by transfectants, CLEC2D isoforms 2 and 4 were efficiently expressed. CLEC2D uses gene splicing to generate protein isoforms that are structurally distinct and that have different biological activities. Prostate cancer is the most common type of cancer diagnosed and the second leading cause of cancer-related death in American men. Natural Killer (NK) cells are the first line of defense against cancer and infections. NK cell function is regulated by a delicate balance between signals received through activating and inhibitory receptors. Previously, we identified Lectin-like transcript-1 (LLT1/OCIL/CLEC2D) as a counter-receptor for the NK cell inhibitory receptor NKRP1A (CD161). Interaction of LLT1 expressed on target cells with NKRP1A inhibits NK cell activation. Synonym: CLEC2D
Molecular Weight:	44 kDa
NCBI Accession:	NP_569086
Pathways:	Regulation of Leukocyte Mediated Immunity

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.

