

CLEC12A / CLL-1 / DCAL2 recombinant protein

Recombinant Human CLEC12A / CLL-1 / DCAL2 Protein (His tag)

CATALOG #
AAA173538

HOST
HEK293 Cells

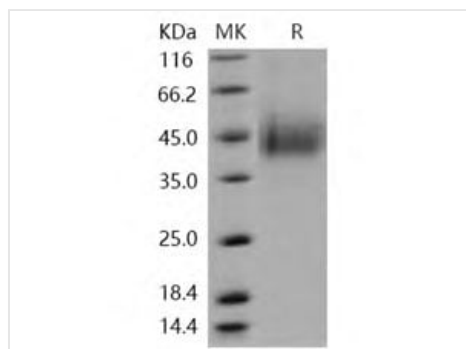
PRODUCT SYNONYMS

CLEC12A / CLL-1 / DCAL2; Recombinant Human CLEC12A / CLL-1 / DCAL2 Protein (His tag); BDCA2;CD303;CLECSF11;CLECSF7;CLL-1;CLL1;DCAL-2;DLEC;HECL;MICL;PRO34150; CLEC12A / CLL-1 / DCAL2 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 95 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% Mannitol, 0.01%Tween-80.
Species	Human
Sequence	His 75-Ala 275
Tag	N-His
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Reconstitution	It is recommended that sterile water(70ul) be added to the vial to prepare a stock solution of 0.15mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Ships on blue ice. Lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CLEC12A / CLL-1 / DCAL2 recombinant protein	CLEC12A is a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signaling, glycoprotein turnover, and roles in inflammation and immune response. CLEC12A is a negative regulator of granulocyte and monocyte function. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. C-type lectins are the most diverse and prevalent lectin family in immunity. Using a novel CLEC12A -specific monoclonal antibody, experiments had shown that human CLEC12A was expressed primarily on myeloid cells, including granulocytes, monocytes, macrophages, and dendritic cells. Although CLEC12A was highly Nglycosylated in primary cells, the level of glycosylation was found to vary between cell types. CLEC12A surface expression was down-regulated during inflammatory/activation conditions in vitro, as well as during an in vivo model of acute inflammation. This suggests that CLEC12A may be involved in the control of myeloid cell activation during inflammation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119616538
NCBI GeneID	160364
Molecular Weight	Mol_Mass: 26 kDa AP_Mol_Mass: 40-45 kDa
NCBI Official Full Name	C-type lectin domain family 12, member A, isoform CRA_a
NCBI Official Synonym Full Names	C-type lectin domain family 12 member A
NCBI Official Symbol	CLEC12A
NCBI Official Synonym Symbols	CLL1; MICL; CD371; CLL-1; DCAL-2
NCBI Protein Information	C-type lectin domain family 12 member A
UniProt Protein Name	C-type lectin domain family 12 member A
UniProt Gene Name	CLEC12A
UniProt Synonym Gene Names	CLL1; DCAL2; MICL; CLL-1; DCAL-2; MICL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.