

Product datasheet

Recombinant Mouse DECTIN 2 protein ab157028

Description

Product name	Recombinant Mouse DECTIN 2 protein
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 0.100 Eu/μg
Expression system	HEK 293 cells
Accession	<u>Q9JKF4</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	IMDQPSRRLYELHTYHSSLTCFSEGTMVSEKMWGCCPNH WKSFGSSCYLI STKENFWSTS EQNCVQMG AHLVVINTEAEQNFITQQLNESLSYFLGLS DPQGN GKWQWIDDTPFSQNVRF WHPHEPNLPEERCVSIVWNPSKWGW NDVFCDSKHNSICEMKKYL
Predicted molecular weight	55 kDa including tags
Amino acids	44 to 209
Description	Recombinant Human DECTIN 2 protein

Specifications

Our **Abpromise guarantee** covers the use of **ab157028** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Constituent: 100% PBS
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Reconstitution Reconstitute with 50µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum.

General Info

Function	Binds high-mannose carbohydrates in a Ca(2+)-dependent manner. Functional receptor for alpha-mannans on <i>C.albicans</i> hyphae. Plays an important role in the host defense against <i>C.albicans</i> infection by inducing TH17 cell differentiation. Recognizes also, in a mannose-dependent manner, allergens from house dust mite and fungi, by promoting cysteinyl leukotriene production. Recognizes soluble elements from the eggs of <i>Shistosoma mansoni</i> altering adaptive immune responses. Transduces signals through an Fc receptor gamma chain /FCER1G and Syk-CARD9-NF-kappa-B-dependent pathway.
Tissue specificity	Expressed in lung, spleen, lymph node, leukocytes, bone marrow, tonsils and dendritic cells. Strongly expressed in purified monocytes and weakly in B-cells. In peripheral blood cells, preferentially expressed in plasmacytoids rather than myeloids.
Sequence similarities	Contains 1 C-type lectin domain.
Domain	A short stretch of the intracellular domain (AA 8-14) proximal to the transmembrane domain is required for association with Fc receptor gamma chain.
Cellular localization	Membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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