abcam

Product datasheet

Recombinant Human Dectin-1 protein ab163849

1 Image

Description

Product name	Recombinant Human Dectin-1 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MEYHPDLENLDEDGYTQLHFDSQSNTRIAVVSEKGSCAA SPPWRLIAVIL GILCLVILVIAVVLGTMAGFKAVEFKG
Amino acids	1 to 77
Tags	GST tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab163849** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid
Additional notes	

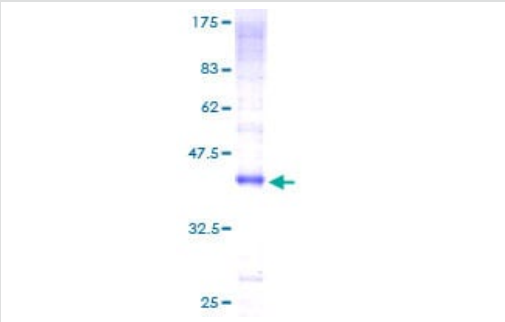
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Lectin that functions as pattern receptor specific for beta-1,3-linked and beta-1,6-linked glucans, such as cell wall constituents from pathogenic bacteria and fungi. Necessary for the TLR2-mediated inflammatory response and for TLR2-mediated activation of NF-kappa-B. Enhances cytokine production in macrophages and dendritic cells. Mediates production of reactive oxygen species in the cell. Mediates phagocytosis of C.albicans conidia. Binds T-cells in a way that does not involve their surface glycans and plays a role in T-cell activation. Stimulates T-cell proliferation.
Tissue specificity	Highly expressed in peripheral blood leukocytes and dendritic cells. Detected in spleen, bone marrow, lung, muscle, stomach and placenta.
Involvement in disease	Defects in CLEC7A may be a cause of familial candidiasis type 4 (CANDF4) [MIM:613108]. It is a rare disorder with altered immune responses and impaired clearance of fungal infections, selective against Candida. It is characterized by persistent and/or recurrent infections of the skin, nails and mucous membranes caused by organisms of the genus Candida, mainly Candida albicans.
Sequence similarities	Contains 1 C-type lectin domain.
Post-translational modifications	Phosphorylated on tyrosine residues in response to glucan binding.
Cellular localization	Cytoplasm and Cell membrane.

Images



SDS-PAGE - Recombinant Human Dectin-1 protein (ab163849)

ab163849 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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