


Product datasheet

Anti-Dectin-1 antibody [GE2] - Low endotoxin, Azide free ab82888

9 References

Overview

Product name	Anti-Dectin-1 antibody [GE2] - Low endotoxin, Azide free
Description	Mouse monoclonal [GE2] to Dectin-1 - Low endotoxin, Azide free
Host species	Mouse
Specificity	Human beta Glucagon Receptor has two major (β GR-A and β GR-B) and several minor isoforms. β GR-A and β GR-B differ by the presence and absence, respectively, of a stalk region. ab82888 (clone GE2) recognizes both isoform A and B.
Tested applications	Suitable for: Inhibition Assay, Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Tissue, cells or virus corresponding to Human Dectin-1. NIH/3T3 cells expressing full length Dectin-1.
Positive control	Human peripheral blood monocytes
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituent: PBS
Carrier free	Yes
Purity	Protein G purified

Purification notes	Endotoxin level: <0.01EU/ug
Clonality	Monoclonal
Clone number	GE2
Myeloma	Sp2
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab82888 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Inhibition Assay		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

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.

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