

Mouse DECTIN-1 Monoclonal Antibody | anti-DECTIN-1 antibody

MOUSE ANTI HUMAN DECTIN-1:Low Endotoxin

CATALOG # AAA49779	HOST Mouse	APPLICATIONS Functional Assay, Flow Cytometry, Functional Assay
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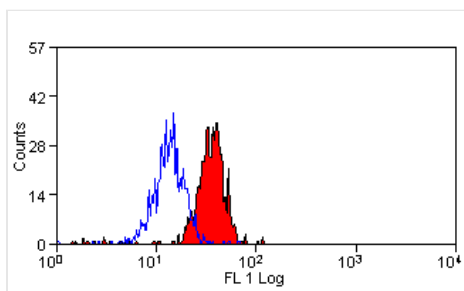
PRODUCT SYNONYMS

DECTIN-1; Monoclonal Antibody; MOUSE ANTI HUMAN DECTIN-1:Low Endotoxin; anti-DECTIN-1 antibody

PRODUCT SPECIFICATIONS

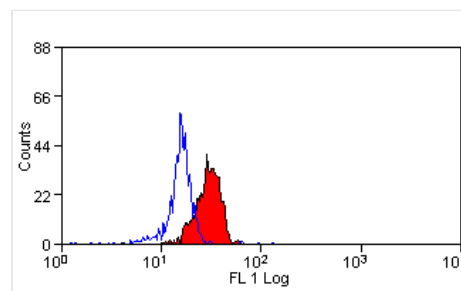
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	GE2
Form/Format	Low Endotoxin Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	201
Applicable Applications for anti-DECTIN-1 antibody	FA (Functional Assay), FCM/FACS (Flow Cytometry)
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Immunogen	NIH3T3 cells expressing full length Beta-glucan receptor. Fusion Partners
Target Species	Human
Preparation and Storage	Store at -20 degree C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



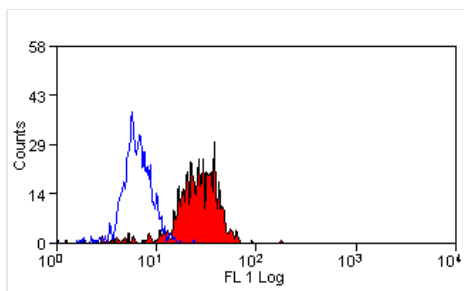
Application Data

Staining of human peripheral blood monocytes with Mouse anti Human Dectin:FITC



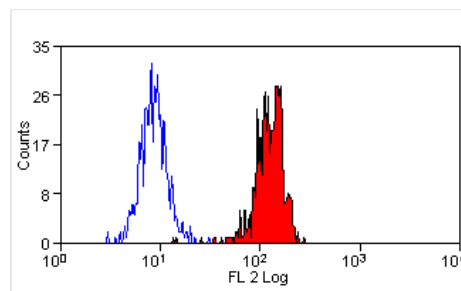
Application Data

Staining of human peripheral blood monocytes with Mouse anti Human Dectin



Application Data

Staining of human peripheral blood monocytes with Mouse anti Human Dectin:Alexa Fluor 7488



Application Data

Staining of human peripheral blood monocytes with Mouse anti Human Dectin:RPE

ADDITIONAL INFORMATION

Related Product Information for anti-DECTIN-1 antibody

Mouse anti Human Dectin-1 antibody, clone GE2 recognizes human Dectin-1, also known as beta-glucan receptor (betaGR), a C-type lectin domain family member. It is a major pathogen pattern-recognition receptor that binds beta-glucans, glucose polymers that form cell-wall components or exopolymers of yeasts, fungi and some bacteria. Beta-glucans have also been used experimentally and therapeutically as immunomodulators that enhance resistance to bacterial, yeast, viral and protozoan infections, as well as tumor formation. Dectin-1 also acts as a co-stimulatory molecule on T-cells to induce their proliferation and is necessary for the TLR2-mediated inflammatory response. It is highly expressed on peripheral blood leukocytes and dendritic cells. Human Dectin-1 has two major (betaGR-A and betaGR-B) and several minor isoforms. betaGR-A and betaGR-B differs by the presence and absence, respectively, of a stalk region. Mouse anti Human Dectin-1 antibody, clone GE2 recognizes both of these isoforms. Clone GE2 could be used to inhibit receptor function.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13384604
NCBI GeneID	64581
NCBI Accession #	NP_072092.2
NCBI GenBank Nucleotide #	NM_022570.4
UniProt Accession #	Q9BXN2; Q6IPS7; Q96D32; Q96DR9; Q96LD3; Q96PA4; Q96PA5; Q96PA6; B2R861; B7Z494; B7Z5A9; B7Z5B9
Molecular Weight	13,138 Da
NCBI Official Full Name	C-type lectin domain family 7 member A isoform b
NCBI Official Synonym Full Names	C-type lectin domain family 7, member A
NCBI Official Symbol	CLEC7A
NCBI Official Synonym Symbols	BGR; CANDF4; DECTIN1; CLECSF12
NCBI Protein Information	C-type lectin domain family 7 member A; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 12; C-type lectin superfamily member 12; DC-associated C-type lectin 1; beta-glucan receptor; dectin-1; dendritic cell-associated C-type lectin 1; dendritic cell-associated C-type lectin-1; lectin-like receptor 1
UniProt Protein Name	C-type lectin domain family 7 member A
UniProt Gene Name	CLEC7A
UniProt Synonym Gene Names	BGR; CLECSF12; DECTIN1; DC-associated C-type lectin 1; Dectin-1
UniProt Entry Name	CLC7A_HUMAN

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.