

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

MOUSE ANTI HUMAN DECTIN-1:FITC

CATALOG # AAA49750	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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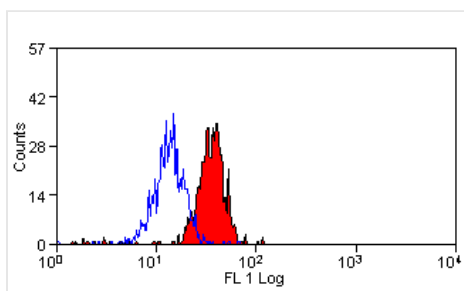
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

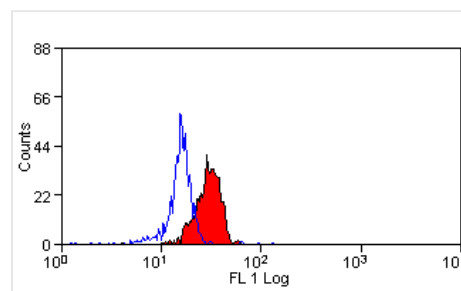
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	GE2
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Sequence Length	116
Applicable Applications for anti-DECTIN-1 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin Preparation
Immunogen	NIH3T3 cells expressing full length Beta-glucan receptor. Fusion Partners
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. 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



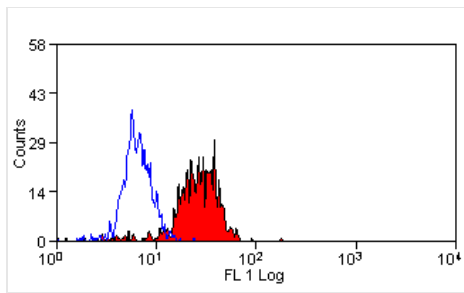
Application Data

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



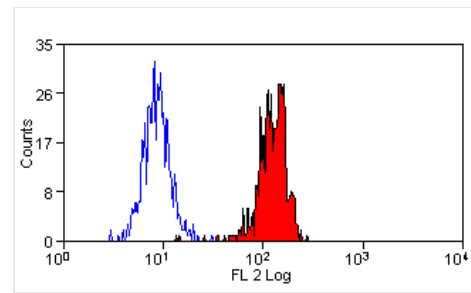
Application Data

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.