anti-Human CD369 Antibody | anti-CD369 antibody

Anti-Hu CD369 APC

CATALOG #	REACTIVITY	APPLICATIONS
AAA129250	**Human**	**Flow Cytometry, Functional Assay**

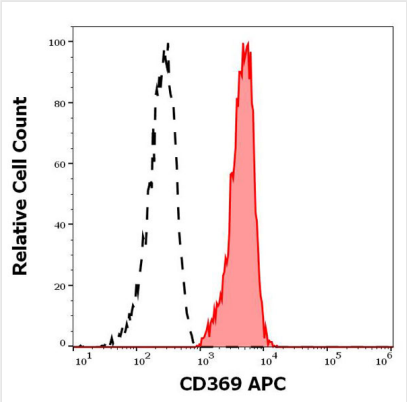
PRODUCT SYNONYMS

CD369; Anti-Hu CD369 APC; C-type lectin domain containing 7A; Dectin-1; CLEC7A; BGR; CANDF4; SCARE2; anti-CD369 antibody

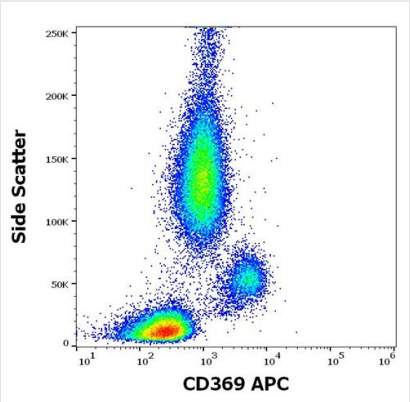
PRODUCT SPECIFICATIONS

Reactivity	Human
Isotype	Mouse IgG2a kappa
Clone Number	15E2
Specificity	The mouse monoclonal antibody 15E2 recognizes an extracellular epitope LWEDGSTFSSN of human CD369 (Dectin-1), a 33 kDa transmembrane glycoprotein expressed predominantly on dendritic cells.
Form/Format	APC Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 m
Applicable Applications for anti-CD369 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Extracellular part of human CD369 with hIgG FC tag
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)
Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD369 (15E2) APC antibody (10 ?l reagent / 100 ?l of peripheral whole blood).



FCM/FACS (Flow Cytometry)
Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD369 (15E2) APC antibody (10 ?l reagent / 100 ?l of peripheral whole blood

ADDITIONAL INFORMATION

Related Product Information for anti-CD369 antibody	CD369 (dectin-1, beta-glucan receptor) is a 33 kDa type II transmembrane glycoprotein of lectin family, and serves as a part of innate immunity system by binding to beta-glucan polymers, which are typical for yeast and mycobacterial cell walls. CD369 is expressed predominantly on dendritic cells, but it can be detected also on monocytes, macrophages, mast cells, eosinophils, B cells, endothelial cells, and sometimes also on some T cell subsets.
References	*Ni L, Gayet I, Zurawski S, Duluc D, Flamar AL, Li XH, O'Bar A, Clayton S, Palucka AK, G Zurawski, Banchereau J, Oh SK: Concomitant activation and antigen uptake via human dectin-1 results in potent antigen-specific CD8+ T cell responses. J Immunol. 2010 Sep 15;185(6):3504-13, URL: https://pubmed.ncbi.nlm.nih.gov/20729328/?from_term=ni+l+gayet+i+zurawski+s&from_pos=2,*Fischer M, Müller JP, Spies-Weisshart B, Gräfe C, Kurzai O, Hünniger K, Hochhaus A, Scholl S, Schnetzke U. Isoform localization of dectin-1 regulates the signaling quality of anti-fungal immunity. Eur J Immunol. 2017 May;47(5):848-859, URL: https://pubmed.ncbi.nlm.nih.gov/28303575/?from_term=scholl+s+hochhaus+a&from_pos=5,*Joo H, Upchurch K, Zhang W, Ni L, Li D, Xue Y, Li XH, Hori T, Zurawski S, Liu YJ, Zurawski G, Oh S: Opposing roles of dectin-1 expressed on human plasmacytoid dendritic cells and myeloid dendritic cells in Th2 polarization. J Immunol. 2015 Aug 15;195(4):1723-31, URL: https://pubmed.ncbi.nlm.nih.gov/26123355/?from_term=zhang+w+xue+y&from_page=6&from_pos=10,

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	27,627 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; dectin-1; beta-glucan receptor; lectin-like receptor 1; DC-associated C-type lectin 1; C-type lectin superfamily member 12; dendritic cell-associated C-type lectin 1; dendritic cell-associated C-type lectin-1; C-typ
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.

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Online datasheet: https://www.aaabiotech.com/human-antibody/cd369/129250