

CD367 Antibody | anti-CD367 antibody

Anti-Hu CD367 PE

CATALOG # AAA129255	REACTIVITY Non-human primates, Human	APPLICATIONS Flow Cytometry, Functional Assay
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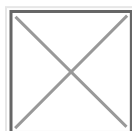
PRODUCT SYNONYMS

CD367; Anti-Hu CD367 PE; C-type lectin domain family 4 member A; DCIR; CLEC4A; LLIR; anti-CD367 antibody

PRODUCT SPECIFICATIONS

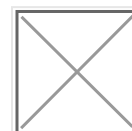
Reactivity	Non-human primates, Human
Isotype	Mouse IgG1 kappa
Clone Number	9E8
Specificity	The mouse monoclonal antibody 9E8 recognizes an extracellular epitope of human CD367, a type II transmembrane protein of C-lectin family, expressed mainly on antigen presenting cells.
Form/Format	PE Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Applicable Applications for anti-CD367 antibody	FCM/FACS (Flow Cytometry)
Immunogen	CD367 ectodomain fused with human Fc
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 CD367 (9E8) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD367 (9E8) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD367 antibody	CD367 is an approximately 20-28 kDa C-type lectin with immunoreceptor tyrosine-based inhibitory motif (ITIM) in its cytoplasmic part. CD367 binds in calcium-dependent manner to mannose, fucose, and weakly also to N-acetylglucosamine. It is expressed on dendritic cells, macrophages, monocytes, B cells, and neutrophils. In rheumatoid arthritis patients CD367 is expressed also on CD4+ T cells. After ligand-mediated triggering, it is internalized by clathrin-dependent endocytosis and contributes to the antigen presentation to CD8+ T cells. It may also be involved in modulation of the antigen presenting cell response.
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References	*Klechevsky E, Flamar AL, Cao Y, Blanck JP, Liu M, O'Bar A, Agouna-Deciat O, Klucar P, Thompson-Snipes L, Zurawski S, Reiter Y, Palucka AK, Zurawski G, Banchereau J: Cross-priming CD8+ T cells by targeting antigens to human dendritic cells through DCIR. Blood 2010 Sep 9;116(10):1685-97., URL: https://pubmed.ncbi.nlm.nih.gov/20530286/,*Damasceno D, Andrés MP, van den Bossche WB, Flores-Montero J, de Bruin S, Teodosio C, van Dongen JJ, Orfao A, Almeida J: Expression profile of novel cell surface molecules on different subsets of human peripheral blood antigen-presenting cells. Clin Transl Immunology 2016 Sep 16;5(9):e100., URL: https://pubmed.ncbi.nlm.nih.gov/27766148/,*Autenrieth SE, Grimm S, Rittig SM, Grünebach F, Gouttefangeas C, Bühring HJ: Profiling of primary peripheral blood- and monocyte-derived dendritic cells using monoclonal antibodies from the HLDA10 workshop in Wollongong, Australia. Clin Transl Immunology 2015 Nov 13;4(11):e50., URL: https://pubmed.ncbi.nlm.nih.gov/26682057/,
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NCBI AND UNIPROT INFORMATION

NCBI GI #	59797977
NCBI GeneID	50856
UniProt Accession #	Q9UMR7; Q17R69; Q8WXW9; Q9H2Z9; Q9NS33; Q9UI34
Molecular Weight	237
NCBI Official Full Name	C-type lectin domain family 4 member A
NCBI Official Synonym Full Names	C-type lectin domain family 4, member A
NCBI Official Symbol	CLEC4A
NCBI Official Synonym Symbols	DCIR; LLIR; DDB27; CLECSF6; HDCGC13P
NCBI Protein Information	C-type lectin domain family 4 member A; C-type lectin DDB27; lectin-like immunoreceptor; dendritic cell immunoreceptor; C-type lectin superfamily member 6; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 6
UniProt Protein Name	C-type lectin domain family 4 member A
UniProt Gene Name	CLEC4A
UniProt Synonym Gene Names	CLECSF6; DCIR; LLIR
UniProt Entry Name	CLC4A_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.