

Mouse anti-Human CD316 Antibody | anti-CD316 antibody

Anti-Hu CD316 PE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129264	Mouse	Human	Flow Cytometry, Functional Assay

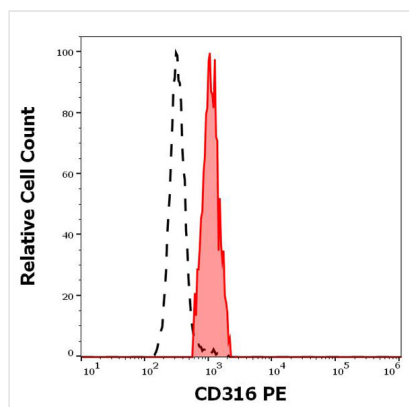
PRODUCT SYNONYMS

CD316; Anti-Hu CD316 PE; immunoglobulin superfamily member 8; EWI2; PGRL; KCT-4; LIR-D1; IGSF8; anti-CD316 antibody

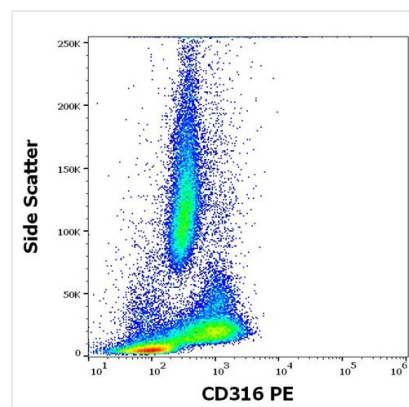
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	Mouse IgG2a
Clone Number	8A12
Specificity	The mouse monoclonal antibody 8A12 recognizes an extracellular epitope of CD316, a type I transmembrane glycoprotein, expressed mainly by lymphocytes, NK cells and in a broad range of tissues.
Form/Format	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Applicable Applications for anti-CD316 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human leukocytes
Workshop	HCDM listed
Excitation laser	blue (488 nm)
Preparation	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Preparation and Storage	Store at 2°C-8°C. Protect from prolonged exposure to light. Do not freeze.

IMAGES


FCM/FACS (Flow Cytometry)

Separation of human monocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD316 (8A12) PE antibody (10 μ l reagent / 100 μ l of peripheral whole blood).


FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD316 (8A12) PE antibody (10 μ l reagent / 100 μ l of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD316 antibody	CD316 is an approximately 63 kDa transmembrane glycoprotein, which forms stable complexes with CD9, as well as with CD81. It seems that CD316 participates in regulation of cell polarity and motility, in cell proliferation, oocyte fertilization and tumor cell metastasis. It is expressed mainly by lymphocytes, NK cells and in a broad range of tissues, and associates with actin cytoskeleton.
References	*Gordón-Alonso M, Sala-Valdés M, Rocha-Perugini V, Pérez-Hernández D, López-Martín S, Ursa A, Alvarez S, Kolesnikova TV, Vázquez J, Sánchez-Madrid F, Yáñez-Mó M: EWI-2 association with alpha-actinin regulates T cell immune synapses and HIV viral infection. J Immunol. 2012 Jul 15;189(2):689-700., URL: https://pubmed.ncbi.nlm.nih.gov/22689882/ ,

NCBI AND UNIPROT INFORMATION

NCBI GI #	16445029
NCBI GeneID	93185
NCBI Accession #	NP_443100.1
NCBI GenBank Nucleotide #	NM_052868.6
UniProt Accession #	Q969P0; Q8NG09; Q96DP4; Q9BTG9
Molecular Weight	40,191 Da
NCBI Official Full Name	immunoglobulin superfamily member 8
NCBI Official Synonym Full Names	immunoglobulin superfamily member 8
NCBI Official Symbol	IGSF8
NCBI Official Synonym Symbols	EWI2; PGRL; CD316; EWI-2; KCT-4; CD81P3; LIR-D1
NCBI Protein Information	immunoglobulin superfamily member 8
UniProt Protein Name	Immunoglobulin superfamily member 8
UniProt Gene Name	IGSF8
UniProt Synonym Gene Names	CD81P3; EWI2; KCT4; IgSF8; EWI-2; KCT-4; PGRL

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.