

Mouse anti-Human CD329 Antibody | anti-CD329 antibody

Anti-Hu CD329 PE

CATALOG # AAA129363	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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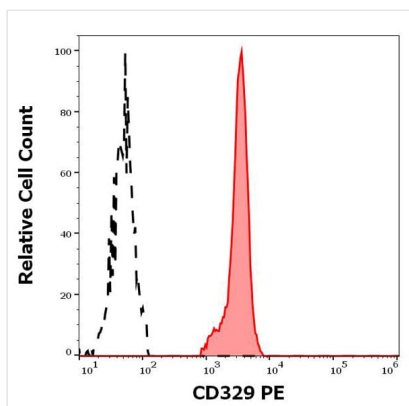
PRODUCT SYNONYMS

CD329; Anti-Hu CD329 PE; sialic acid binding Ig like lectin 9; SIGLEC9; anti-CD329 antibody

PRODUCT SPECIFICATIONS

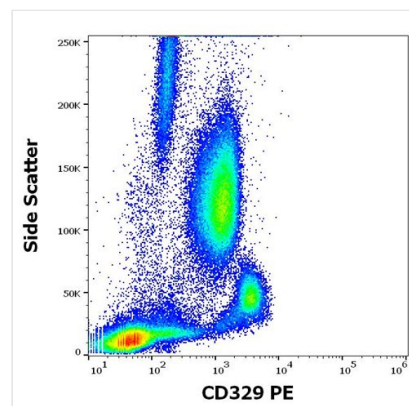
Host	Mouse
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	K8
Specificity	The mouse monoclonal antibody K8 recognizes an extracellular epitope of CD239, a type I transmembrane glycoprotein expressed above all on monocytes, neutrophils, and a minor population of CD16+CD56- cells.
Purity/Purification	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Applicable Applications for anti-CD329 antibody	FCM/FACS (Flow Cytometry)
Immunogen	recombinant CD329-Hu IgGFc fusion protein
Conjugation	PE
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 CD329 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD329 (K8) PE antibody (10ul reagent/100ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD329 (K8) PE antibody (10ul reagent/100ul of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD329 antibody	CD329 is a type I transmembrane glycoprotein of siglec family, which contains intracellular ITIM motif, and a SLAM-like motif, that acts as a docking site for SAP. CD329 can regulate TCR signaling by recruitment of SHP-1, which results in down-regulation of TCR-based gene transcription. It is expressed above all on monocytes, neutrophils, and a minor population of CD16+CD56- cells, weaker expression is detectable in some B cells, NK cells, and T cells.
References	*O'Sullivan JA, Carroll DJ, Cao Y, Salicru AN, Bochner BS: Leveraging Siglec-8 endocytic mechanisms to kill human eosinophils and malignant mast cells. J Allergy Clin Immunol. 2018 May;141(5):1774-1785, URL: https://pubmed.ncbi.nlm.nih.gov/28734845/ ,*Hudak JE, Canham SM, Bertozzi CR: Glycocalyx engineering reveals a Siglec-based mechanism for NK cell immunoevasion. Nat Chem Biol. 2014 Jan;10(1):69-75., URL: https://pubmed.ncbi.nlm.nih.gov/24292068/ ,*Avril T, Floyd H, Lopez F, Vivier E, Crocker PR: The membrane-proximal immunoreceptor tyrosine-based inhibitory motif is critical for the inhibitory signaling mediated by Siglecs-7 and -9, CD33-related Siglecs expressed on human monocytes and NK cells. J Immunol. 2004 Dec 1;173(11):6841-9. , URL: https://pubmed.ncbi.nlm.nih.gov/15557178/ ,

NCBI AND UNIPROT INFORMATION

NCBI GI #	25009270
NCBI GeneID	27180
UniProt Accession #	Q9Y336; Q6GTU4; Q9BYI9
Molecular Weight	52,492 Da
NCBI Official Full Name	Sialic acid-binding Ig-like lectin 9
NCBI Official Synonym Full Names	sialic acid binding Ig like lectin 9
NCBI Official Symbol	SIGLEC9
NCBI Official Synonym Symbols	CD329; CDw329; FOAP-9; siglec-9; OBBP-LIKE
NCBI Protein Information	sialic acid-binding Ig-like lectin 9
UniProt Protein Name	Sialic acid-binding Ig-like lectin 9
UniProt Gene Name	SIGLEC9
UniProt Synonym Gene Names	Siglec-9

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.