

Mouse NKp80 Antibody | anti-NKp80 antibody

Anti-Hu NKp80 PE

CATALOG # AAA129326	HOST Mouse	REACTIVITY Human, Monkey	APPLICATIONS Flow Cytometry, Functional Assay
-------------------------------	----------------------	------------------------------------	---

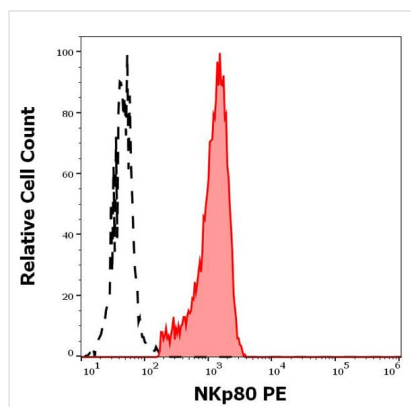
PRODUCT SYNONYMS

NKp80; Anti-Hu NKp80 PE; killer cell lectin like receptor F1; KLRF1; CLEC5C; anti-NKp80 antibody

PRODUCT SPECIFICATIONS

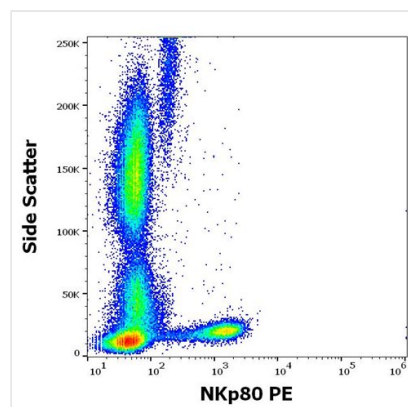
Host	Mouse
Reactivity	Human, Monkey
Isotype	Mouse IgG1 kappa
Clone Number	5D12
Specificity	The mouse monoclonal antibody 5D12 recognizes an extracellular epitope of human NKp80 (CLEC5C), a C-type lectin family member, expressed on NK cells and subsets of T cells.
Purity/Purification	Purified antibody 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-NKp80 antibody	FCM/FACS (Flow Cytometry)
Negative Species	Mouse, Rat
Immunogen	recombinant human NKp80 extracellular domain
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 NKp80 positive lymphocytes (red-filled) from NKp80 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human NKp80 (5D12) 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 NKp80 (5D12) PE antibody (10ul reagent/100ul of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-NKp80 antibody	NKp80, also known as CLEC5C or KLRF1, is a type II transmembrane glycoprotein of the C lectin family, which is expressed in 80 kDa homodimers on NK cells, and subsets of CD8+ alpha/beta T cells, and gamma/delta T cells. It belongs to the activating coreceptors, which induce cytotoxicity, and production of pro-inflammatory cytokines. Its ligand AICL is expressed on myeloid cells.
References	*Dennehy KM, Klimosch SN, Steinle A: Cutting edge: NKp80 uses an atypical hemi-ITAM to trigger NK cytotoxicity. J Immunol. 2011 Jan 15;186(2):657-61., URL: https://pubmed.ncbi.nlm.nih.gov/21149606/ ,*Campbell TM, McSharry BP, Steain M, Russell TA, Tschärke DC, Kennedy JJ, Slobedman B, Abendroth A: Functional paralysis of human natural killer cells by alphaherpesviruses. PLoS Pathog. 2019 Jun 13;15(6):e1007784, URL: https://pubmed.ncbi.nlm.nih.gov/31194857/ ,*Ruckrich T, Steinle A: Attenuated natural killer (NK) cell activation through C-type lectin-like receptor NKp80 is due to an anomalous hemi-immunoreceptor tyrosine-based activation motif (HemITAM) with impaired Syk kinase recruitment capacity. J Biol Chem. 2013 Jun 14;288(24):17725-33., URL: https://pubmed.ncbi.nlm.nih.gov/23609447/ ,

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705574
NCBI GeneID	51348
NCBI Accession #	NP_057607.1
NCBI GenBank Nucleotide #	NM_016523.1
UniProt Accession #	Q9NZS2; Q4KMT5; Q96PR2; Q96PR3; Q9NZS1
Molecular Weight	26,666 Da
NCBI Official Full Name	killer cell lectin-like receptor subfamily F member 1
NCBI Official Synonym Full Names	killer cell lectin-like receptor subfamily F, member 1
NCBI Official Symbol	KLRF1
NCBI Official Synonym Symbols	NKp80; CLEC5C
NCBI Protein Information	killer cell lectin-like receptor subfamily F member 1; lectin-like receptor F1; activating coreceptor NKp80; killer cell lectin-like receptor F1; C-type lectin domain family 5 member C
UniProt Protein Name	Killer cell lectin-like receptor subfamily F member 1
UniProt Gene Name	KLRF1
UniProt Synonym Gene Names	CLEC5C; ML; Lectin-like receptor F1
UniProt Entry Name	KLRF1_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.