

Mouse anti-Human NKG2D Antibody | anti-NKG2D antibody

Anti-NKG2D [6E5A7], Mouse IgG2b

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72273	Mouse	Human	Flow Cytometry, Functional Assay

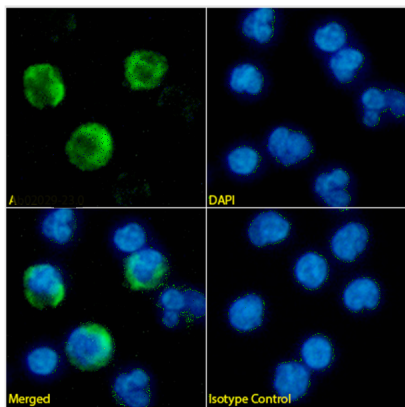
PRODUCT SYNONYMS

NKG2D; Anti-NKG2D [6E5A7]; Mouse IgG2b; CD314; NKG2-D type II integral membrane protein; Killer cell lectin-like receptor subfamily K member 1; NK cell receptor D; NKG2-D-activating NK receptor; KLRK1; anti-NKG2D antibody

PRODUCT SPECIFICATIONS

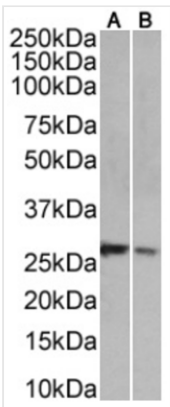
Host	Mouse
Reactivity	Human
Isotype	Mouse IgG2b, Kappa
Clone Number	6E5A7
Specificity	This antibody recognizes and binds the extracellular epitope of NKG2D and blocks the interaction between ligand and receptor.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NKG2D antibody	Blocking, FCM/FACS (Flow Cytometry)
Immunogen	The original antibody was generated by immunizing BALB/c mice with soluble NKG2-D fragments containing amino acids from 64-462 and 123-462.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of human peripheral blood leukocytes with anti-CD314 (AAA72273) 6E5A7. Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood leukocytes stained with the chimeric rabbit IgG version of 6E5A7 (AAA72273-23.0) (1:1000 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1500 dilution), showing nuclear staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72273-23.0, DAPI, merged channels and an isotype control. The isotype control was anti-fluorescein antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-CD314 antibody 6E5A7 (AAA72273). K562(A) (2ug/ml) and human peripheral blood monocytes(B) (2ug/ml) cells lysate (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of 6E5A7 (AAA72273-23.0) before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-NKG2D antibody	The NKG2D (Natural Killer Group 2 Member D) protein is an activating receptor that enables NK and CD8 + T cells to recognize and eliminate infected or transformed endogenous cells. However, an incorrect regulation of this receptor on immune cells also appears to lead to the development of autoimmune diseases such as type I diabetes, celiac disease and RA.This antibody positively reacts with NKG2D on CD8-positive T cells and to CD56-positive natural killer cells. The binding was confirmed FACS analysis (Steigerwald, 2008).
Product Categories/Family for anti-NKG2D antibody	autoimmune diseases ; cancer ; viral infections

NCBI AND UNIPROT INFORMATION

NCBI GI #	315221164
NCBI GeneID	100528032
NCBI Accession #	NP_001186734.1
NCBI GenBank Nucleotide #	NM_001199805.1
UniProt Accession #	P26718; Q9NR41; A8K7K5; A8K7P4
Molecular Weight	25,274 Da
NCBI Official Full Name	NKG2-D type II integral membrane protein
NCBI Official Symbol	KLRC4-KLRK1
NCBI Protein Information	NKG2-D type II integral membrane protein; NK cell receptor D; NKG2-D-activating NK receptor; killer cell lectin-like receptor subfamily K member 1
UniProt Protein Name	NKG2-D type II integral membrane protein
UniProt Gene Name	KLRK1
UniProt Synonym Gene Names	D12S2489E; NKG2D
UniProt Entry Name	NKG2D_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/mouse-human-antibody/nkg2d/72273>