

Mouse anti-Human CD158d Monoclonal Antibody | anti-CD158d antibody

Anti-Hu CD158d Purified Low Endotoxin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129123	Mouse	Human	Immunoprecipitation, Flow Cytometry, Functional Assay, Functional Assay, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

CD158d; Monoclonal Antibody; Anti-Hu CD158d Purified Low Endotoxin; KIR2DL4; KIR103AS; 103AS; 15.212; killer cell immunoglobulin like receptor; two Ig d; anti-CD158d antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Clone Number	mAb#33
Specificity	The mouse monoclonal antibody mAb#33 (also known as mAb 33 or 33) recognizes extracellular portion of CD158d/KIR2DL4, a 45kDa NK cell marker. Cell surface expression and Functional Application (FUNC)tion of CD158d/KIR2DL4 depends on genotype of particular individuals.
Purity/Purification	Purified by protein-A affinity chromatography
Form/Format	Purified Low Endotoxin. Low endotoxin azide free phosphate buffered saline (PBS) solution, 0.2um filter sterilized. Endotoxin level is less than 0.01 EU/ug of the protein, as determined by the LAL test.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD158d antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), FA (Functional Assay), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	NK3.3 cells and KIR2DL4-Ig fusion protein
Preparation and Storage	Store at 2-8 degree C. Do not freeze. Do not use after expiration date stamped on the label.

ADDITIONAL INFORMATION

Related Product Information for anti-CD158d antibody	CD158d/KIR2DL4 is a KIR family member that shares structural features with both activating and inhibitory receptors and may mediate different Functional Application (FUNC)tions under different circumstances. It contains cytoplasmic ITIM, suggesting inhibitory Functional Application (FUNC)tion, but also transmembrane domain similar to those of activating KIRs. It has been reported that CD158d serves as an inhibitory receptor for peripheral and uterine NK cells, but its ligation with soluble mAbs (unlike immobilized mAbs) results in activation of IFN-gamma secretion. CD158d also binds both membrane form and soluble form of its ligand HLA-G.
--	--

References	<p>*Rajagopalan S, Bryceson YT, Kuppusamy SP, Geraghty DE, van der Meer A, Joosten I, Long EO. Activation of NK cells by an endocytosed receptor for soluble HLA-G. PLoS Biol. 2006 Jan;4(1):e9., URL: https://www.ncbi.nlm.nih.gov/pubmed/16366734itool,*Yan WH, Fan LA: Residues Met76 and Gln79 in HLA-G alpha1 domain involve in KIR2DL4 recognition. Cell Res. 2005 Mar;15(3):176-82., URL: https://www.ncbi.nlm.nih.gov/pubmed/15780179itool,*LeMaout J, Zafaranloo K, Le Danff C, Carosella ED: HLA-G up-regulates ILT2, ILT3, ILT4, and KIR2DL4 in antigen presenting cells, NK cells, and T cells. FASEB J. 2005 Apr;19(6):662-4., URL: https://www.ncbi.nlm.nih.gov/pubmed/15670976itool,*Rajagopalan S, Fu J, Long EO: Cutting edge: induction of IFN-gamma production but not cytotoxicity by the killer cell Ig-like receptor KIR2DL4 (CD158d) in resting NK cells. J Immunol. 2001 Aug 15;167(4):1877-81., URL: https://www.ncbi.nlm.nih.gov/pubmed/11489965itool,*Goodridge JP, Witt CS, Christiansen FT, Warren HS: KIR2DL4 (CD158d) genotype influences expression and Functional Application (FUNC)tion in NK cells. J Immunol. 2003 Aug 15;171(4):1768-74., URL: https://www.ncbi.nlm.nih.gov/pubmed/12902476itool</p>
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	325511396
NCBI GeneID	3805
UniProt Accession #	Q99706; O14621; O14622; O14623; O14624; O43534; P78400; P78401; Q8N738; Q99559; Q99560; A8W795
Molecular Weight	24,917 Da
NCBI Official Full Name	Killer cell immunoglobulin-like receptor 2DL4
NCBI Official Synonym Full Names	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 4
NCBI Official Symbol	KIR2DL4
NCBI Official Synonym Symbols	G9P; CD158D; KIR103; KIR-2DL4; KIR103AS; KIR-103AS
NCBI Protein Information	killer cell immunoglobulin-like receptor 2DL4
UniProt Protein Name	Killer cell immunoglobulin-like receptor 2DL4
UniProt Gene Name	KIR2DL4
UniProt Synonym Gene Names	CD158D; KIR103AS; KIR-103AS

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd158d-antibody-clone-mab-33-immunoprecipitation-flow-cytometry-functional-assay-immunocytochemistry-western-blot-elisa/129123>