

Rabbit anti-Human KIR2DL2 Polyclonal Antibody | anti-KIR2DL2 antibody

KIR2DL2 Antibody (C-Term)

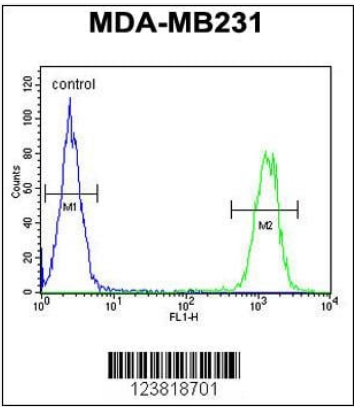
CATALOG # AAA287437	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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PRODUCT SYNONYMS

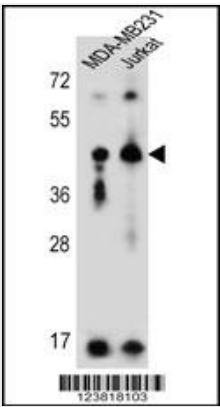
KIR2DL2; Polyclonal Antibody; KIR2DL2 Antibody (C-Term); Killer cell immunoglobulin-like receptor 2DL2; CD158 antigen-like family member B1; MHC class I NK cell receptor; Natural killer-associated transcript 6; NKAT-6; p58 natural killer cell receptor clone CL-43; p58 NK receptor CL-43; CD158b1; CD158B1; NKAT6; anti-KIR2DL2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KIR2DL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 263-291 amino acids from the C-terminal region of human KIR2DL2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	263-291
Sequence Length	348
Applicable Applications for anti-KIR2DL2 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Function	Receptor on natural killer (NK) cells for HLA-Cw1, 3, 7, and 8 allotypes. Inhibits the activity of NK cells thus preventing cell lysis.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
KIR2DL2 Antibody (C-Term) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
KIR2DL2 Antibody (C-Term) western blot analysis in MDA-MB231, Jurkat cell line lysates (35ug/lane). This demonstrates the KIR2DL2 antibody detected the KIR2DL2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KIR2DL2 antibody	Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed by natural killer cells and subsets of T cells. The KIR genes are polymorphic and highly homologous and they are found in a cluster on chromosome 19q13.4 within the 1 Mb leukocyte receptor complex (LRC). The gene content of the KIR gene cluster varies among haplotypes, although several 'framework' genes are found in all haplotypes (KIR3DL3, KIR3DP1, KIR3DL4, KIR3DL2). The KIR proteins are classified by the number of extracellular immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S) cytoplasmic domain. KIR proteins with the long cytoplasmic domain transduce inhibitory signals upon ligand binding via an immune tyrosine-based inhibitory motif (ITIM), while KIR proteins with the short cytoplasmic domain lack the ITIM motif and instead associate with the TYRO protein tyrosine kinase binding protein to transduce activating signals. The ligands for several KIR proteins are subsets of HLA class I molecules; thus, KIR proteins are thought to play an important role in regulation of the immune response.
Product Categories/Family for anti-KIR2DL2 antibody	Immunology
References	Jiao, Y.L., et al. J. Clin. Immunol. 30(6):840-844(2010) Zhu, B.F., et al. Hum. Immunol. 71(11):1116-1123(2010) Gao, X., et al. Clin. Immunol. 137(1):139-146(2010) Al Omar, S., et al. Hum. Immunol. 71(10):976-981(2010) Velickovic, M., et al. Tissue Antigens (2010) In press :

NCBI AND UNIPROT INFORMATION

NCBI GI #	134304833
NCBI GeneID	3803
NCBI Accession #	NP_055034.2
NCBI GenBank Nucleotide #	NM_014219.2
UniProt Accession #	P43627; Q14951; C6EVR8
Molecular Weight	38472
NCBI Official Full Name	killer cell immunoglobulin-like receptor 2DL2
NCBI Official Synonym Full Names	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2
NCBI Official Symbol	KIR2DL2
NCBI Official Synonym Symbols	NKAT6; p58.2; CD158b; NKAT-6; CD158B1
NCBI Protein Information	killer cell immunoglobulin-like receptor 2DL2

UniProt Protein Name	Killer cell immunoglobulin-like receptor 2DL2
UniProt Gene Name	KIR2DL2
UniProt Synonym Gene Names	CD158B1; NKAT6; NKAT-6; p58 NK receptor CL-43
UniProt Entry Name	KI2L2_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/polyclonal/kir2dl2-antibody-flow-cytometry-western-blot-elisa/287437>