

ARG56909 anti-KIR2DL3 antibody [190IIC311]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [190IIC311] recognizes KIR2DL3
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	190IIC311
Isotype	IgG2a, kappa
Target Name	KIR2DL3
Species	Human
Immunogen	Recombinant fragment around aa. 19-161 of Human KIR2DL3.
Conjugation	Un-conjugated
Alternate Names	NKAT-2; CD158B2; p58.2 MHC class-I-specific NK receptor; CD158 antigen-like family member B2; KIR-023GB; Natural killer-associated transcript 2; KIR2DS5; GL183; Killer cell immunoglobulin-like receptor 2DL3; p58 natural killer cell receptor clone CL-6; KIR-K7b; KIR-K7c; NKAT2b; NKAT2a; p58 NK receptor CL-6; p58; Killer inhibitory receptor cl 2-3; MHC class I NK cell receptor; NKAT2; NKAT2B; NKAT2A; CD antigen CD158b2; CD158b; NKAT; KIRCL23

Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	WB	1 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 3804 Human](#)

[Swiss-port # P43628 Human](#)

Gene Symbol

KIR2DL3

Gene Full Name

killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3

Background

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. [provided by RefSeq, Jul 2008]

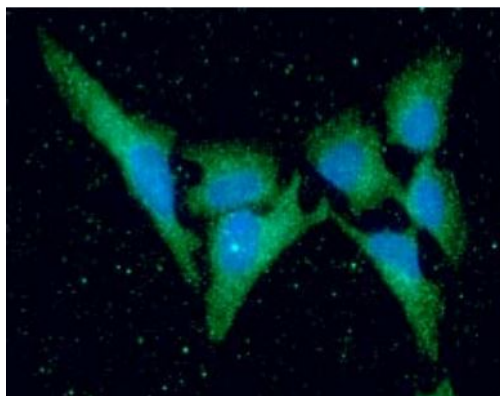
Function

Receptor on natural killer (NK) cells for HLA-C alleles (HLA-Cw1, HLA-Cw3 and HLA-Cw7). Inhibits the activity of NK cells thus preventing cell lysis. [UniProt]

Calculated Mw

38 kDa

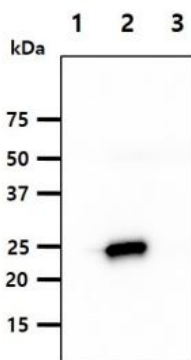
Images



ARG56909 anti-KIR2DL3 antibody [190IIC311] ICC/IF image

Immunofluorescence: HeLa cell line stained with ARG56909 anti-KIR2DL3 antibody [190IIC311] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG56909 anti-KIR2DL3 antibody [190IIC311] WB image

Western blot: 50 ng of 1) KIR2DL1, 2) KIR2DL3, and 3) KIR2DS4 recombinant protein stained with ARG56909 anti-KIR2DL3 antibody [190IIC311] at 1:1000.