

KIR2DL4 rabbit monoclonal antibody

Catalog # H00003805-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human KIR2DL4 peptide using ARM Technology.
Immunogen	A synthetic peptide of human KIR2DL4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human KIR2DL4 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — KIR2DL4

Entrez GeneID	3805
GeneBank Accession#	KIR2DL4
Gene Name	KIR2DL4
Gene Alias	CD158D, G9P, KIR103, KIR103AS
Gene Description	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4
Omim ID	604945
Gene Ontology	Hyperlink
Gene Summary	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. This gene is one of the "framework" loci that is present on all haplotypes. Alternative splicing results in multiple transcript variants. [provided by RefSeq]
Other Designations	NK cell receptor OTTHUMP00000068610 natural killer cell inhibitory receptor

Pathway

- [Antigen processing and presentation](#)
- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Abortion](#)

- [Acute Disease](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Carcinoma](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Cytomegalovirus Infections](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Familial Mediterranean fever](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Hematologic Neoplasms](#)
- [Hemorrhagic Fever](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Leprosy](#)
- [Leptospirosis](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Osteoarthritis](#)

- [Papilloma](#)
- [Papillomavirus Infections](#)
- [Paraparesis](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Psoriasis](#)
- [Recurrence](#)
- [Spondylitis](#)
- [Syndrome](#)
- [Tumor Virus Infections](#)
- [Uterine Cervical Neoplasms](#)
- [Uveomeningoencephalitic Syndrome](#)