

KIR2DL3 monoclonal antibody, clone 190IIC311

Catalog # MAB1134

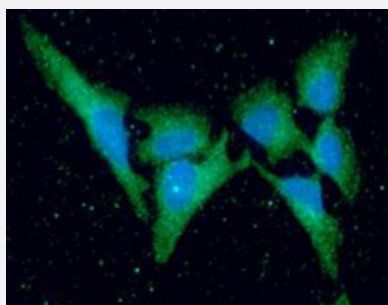
Size 100 uL

Applications



Western Blot (Recombinant protein)

Western blot analysis of KIR2DL3 recombinant protein.



Immunocytochemistry

Immunocytochemistry analysis of HeLa cells. The cell was stained with KIR2DL3 monoclonal antibody, clone 190IIC311 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant KIR2DL3.
Immunogen	Recombinant protein corresponding to amino acids 19-161 of human KIR2DL3.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G affinity chromatography
Isotype	IgG2a, kappa

Recommend Usage	ELISA Immunocytochemistry (1:100) Immunofluorescence (1:100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Recombinant protein)

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- Immunocytochemistry

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- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

Gene Info — KIR2DL3

Entrez GeneID	3804
GeneBank Accession#	NM_014511
Protein Accession#	P43628
Gene Name	KIR2DL3
Gene Alias	CD158B2, CD158b, GL183, KIR-023GB, KIR-K7b, KIR-K7c, KIRCL23, MGC129943, NKAT, NKAT2, NKAT2A, NKAT2B, p58
Gene Description	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3
Omim ID	604938

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. [provided by RefSeq]

Other Designations

NK-receptor|killer cell immunoglobulin-like receptor 2DL3|natural killer associated transcript 2|natural killer cell inhibitory receptor KIR2DL3|p58 natural killer cell receptor|p58.2 MHC class-I specific NK receptor

Pathway

- [Antigen processing and presentation](#)
- [Graft-versus-host disease](#)
- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Abortion](#)
- [Acute Disease](#)
- [Angina Pectoris](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Cervical Intraepithelial Neoplasia](#)

- [Colitis](#)
- [Crohn Disease](#)
- [Cytomegalovirus Infections](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Familial Mediterranean fever](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Hemorrhagic Fever](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Ischemic Attack](#)
- [Leprosy](#)
- [Leptospirosis](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Diseases](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)

- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neuroblastoma](#)
- [Obesity](#)
- [Osteoarthritis](#)
- [Papilloma](#)
- [Papillomavirus Infections](#)
- [Paraparesis](#)
- [Peripheral Vascular Diseases](#)
- [Postoperative Complications](#)
- [Psoriasis](#)
- [Recurrence](#)
- [Skin Neoplasms](#)
- [Spondylarthropathies](#)
- [Spondylitis](#)
- [Stroke](#)
- [Substance Abuse](#)
- [Substance-Related Disorders](#)
- [Syndrome](#)
- [Tumor Virus Infections](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Uveomeningoencephalitic Syndrome](#)
- [Vasculitis](#)
- [Viremia](#)