

Killer cell immunoglobulin-like receptor 3DL2 (KIR3DL2) Active Protein | KIR3DL2 active protein

Recombinant Human Killer cell immunoglobulin-like receptor 3DL2 (KIR3DL2), partial (Active)

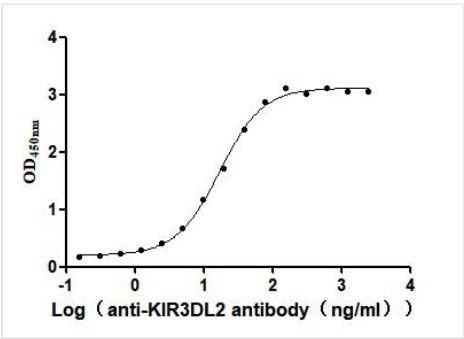
CATALOG # AAA279217	HOST Mammalian cell
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PRODUCT SYNONYMS

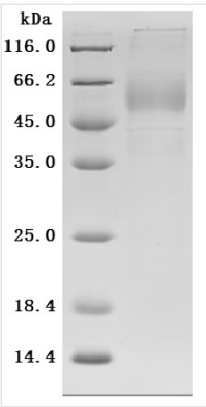
Killer cell immunoglobulin-like receptor 3DL2 (KIR3DL2); Recombinant Human Killer cell immunoglobulin-like receptor 3DL2 (KIR3DL2); partial (Active); CD158K; NKAT4; KIR3DL2 active protein

PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	22-340aa; Partial
Sequence	LMGGQDKPFL SARPSTVVPR GGHVALQCHY RRGFNNFMLY KEDRSHVPIF HGRIFQESFI MGPVTPAHAG TYRCRGSRP SLTGWSAPSN PLVIMVTGNH RKPSLLAHPG PLLKSGETVI LQCWSDVMFE HFFLHREGIS EDPSRLVGQI HDGVSKANFS IGPLMPVLG TYRCYGSVPH SPYQLSAPSD PLDIVITGLY EKPSLSAQPG PTVQAGENV LSCSSWSSYD IYHLSREGEA HERRLRAVPK VNRTFQADFP LGPATHGGTY RCFGSRALP CVWSNSSDPL LVSVTGNPSS SWPSPTEPSS KSGICRHLH\$
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human KIR3DL2 at 2 ug/mL can bind Anti-KIR3DL2 recombinant antibody, the EC50 is 14.18-23.93 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human KIR3DL2 at 2?g/mL can bind Anti-KIR3DL2 recombinant antibody, the EC50 is 14.18-23.93 ng/mL.



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for KIR3DL2 active protein	Receptor on natural killer (NK) cells and T cells for MHC class I molecules.Upon binding of peptide-free HLA-F open conformer, negatively regulates NK and T cell effector functions.Acts as a receptor on astrocytes for HLA-F. Through interaction with HLA-F, may protect motor neurons from astrocyte-induced toxicity.
Product Categories/Family for KIR3DL2 active protein	Active Protein & In Stock Protein
References	"Cloning of immunoglobulin-superfamily members associated with HLA-C and HLA-B recognition by human natural killer cells."Colonna M., Samaridis J.Science 268:405-408 (1995)"Killer cell inhibitory receptors specific for HLA-C and HLA-B identified by direct binding and by functional transfer."Wagtmann N., Rajagopalan S., Winter C.C., Peruzzi M., Long E.O.Immunity 3:801-809 (1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	1171729
NCBI GeneID	3812
UniProt Accession #	P43630; Q13238; Q14947; Q14948; Q92684; Q95366; Q95367; Q95368
Molecular Weight	48,517 Da
NCBI Official Full Name	Killer cell immunoglobulin-like receptor 3DL2
NCBI Official Synonym Full Names	killer cell immunoglobulin like receptor, three Ig domains and long cytoplasmic tail 2
NCBI Official Symbol	KIR3DL2
NCBI Official Synonym Symbols	3DL2; p140; NKAT4; CD158K; NKAT-4; NKAT4B; KIR-3DL2
NCBI Protein Information	killer cell immunoglobulin-like receptor 3DL2
UniProt Protein Name	Killer cell immunoglobulin-like receptor 3DL2
UniProt Gene Name	KIR3DL2
UniProt Synonym Gene Names	CD158K; NKAT4; NKAT-4; p70 NK receptor CL-5

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.