KIR3DS1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KIR3DS1, Polyclonal Antibody
Full Product Name	KIR3DS1, CT (Killer Cell Immunoglobulin-like Receptor 3DS1, Killer Cell (Ig)-like Receptor 3DS1, CD158E2, KIR-123FM, KIR-G1, MGC119726, MGC119728, MGC125316, MHC Class I NK Cell Receptor, Natural Killer-Associated Transcript 10, NKAT10, NKAT-10) (MaxLight
Product Gene Name	anti-KIR3DS1 antibody
Product Synonym Names	Killer Cell Immunoglobulin-like Receptor Three Domains Short Cytoplasmic Tail 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human KIR3DS1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	42,447 Da
Chromosome Location	19q13.4
OMIM	604946
3D Structure	ModBase 3D Structure for Q14943
Immunogen	Synthetic peptide selected from the C-terminal region of human KIR3DS1 (KLH).
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-KIR3DS1 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-KIR3DS1 antibody	Western Blot (WB), FLISA
Application Notes for anti-KIR3DS1 antibody	WB: 1:100-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-KIR3DS1 antibody	MBS6484431 is an antibody targeting KIR3DS1. Also known as KIR3DS1, CT (Killer Cell Immunoglobulin-like Receptor 3DS1, Killer Cell (Ig)-like Receptor 3DS1, CD158E2, KIR-123FM, KIR-G1, MGC119726, MGC119728, MGC125316, MHC Class I NK Cell Receptor, Natural Killer-Associated Transcript 10, NKAT10, NKAT-10) (MaxLight. Reactive in Human. Host: Rabbit.

Other Notes	Small volumes of anti-KIR3DS1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KIR3DS1. It may not necessarily be applicable to this product.

NCBI GI #	134133244
NCBI GeneID	3813
NCBI Accession #	NP_001077008.1
UniProt Primary Accession #	Q14943
UniProt Related Accession #	O43469; P78403; Q0VGG8; Q14943; Q4KN23; Q5UCD2; Q8N735; Q8NHI8; Q99564; Q99565
GenBank Nucleotide #	NM_001083539.1
NCBI Official Full Name	killer cell immunoglobulin-like receptor 3DS1
NCBI Official Synonym Full Names	killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1
NCBI Official Symbol	KIR3DS1
NCBI Official Synonym Symbols	KIR-G1; NKAT10; CD158E2; KIR-123FM; MGC119726; MGC119728; MGC125316
UniProt Protein Name	Killer cell immunoglobulin-like receptor 3DS1
UniProt Synonym Protein Names	MHC class I NK cell receptor; Natural killer-associated transcript 10; NKAT-10
Protein Family	Killer cell immunoglobulin-like receptor
UniProt Gene Name	KIR3DS1
UniProt Synonym Gene Names	NKAT10; NKAT-10
UniProt Entry Name	KI3S1_HUMAN
NCBI Protein Information	killer cell immunoglobulin-like receptor 3DS1; NKAT-10; killer Ig receptor; MHC class I NK cell receptor; natural killer-associated transcript 10; killer cell immunoglobulin-like receptor KIR3DS1
NCBI Summary for KIR3DS1	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]
Research Articles on KIR3DS1	**1.** predisposition to systemic lupus erythematosus was associated with GTGT deletion at the SLC11A1 3'UTR, presence of KIR2DS2 +/KIR2DS5 +/KIR3DS1 + profile, increased number of stimulatory KIR genes and European and Amerindian ancestries
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