

## Product datasheet for **TA370627**

### **KIR3DL1 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-300 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human KIR3DL1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Gene Name:	killer cell immunoglobulin like receptor, three Ig domains and long cytoplasmic tail 1
Database Link:	<a href="#">Entrez Gene 3811 Human P43629</a>



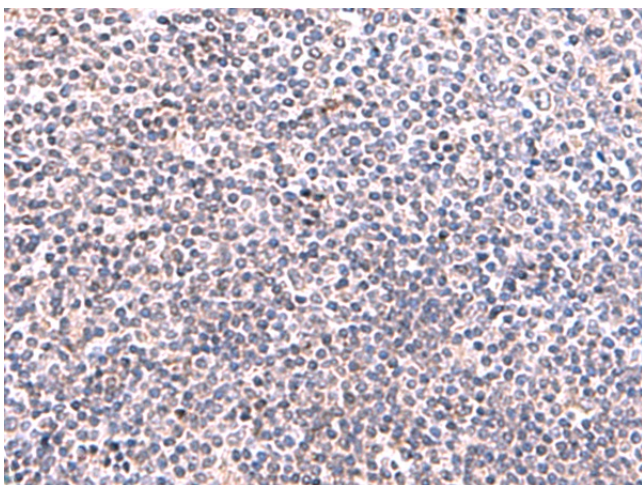
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**Background:**

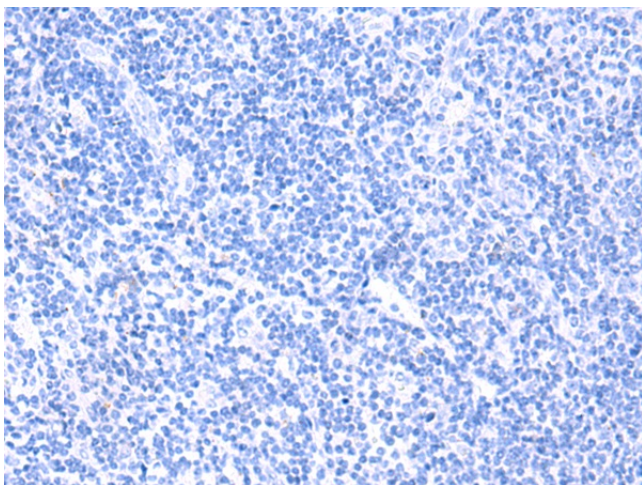
Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed by natural killer cells and subsets of T cells. The KIR genes are polymorphic and highly homologous and they are found in a cluster on chromosome 19q13.4 within the 1 Mb leukocyte receptor complex (LRC). The gene 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.

**Synonyms:**

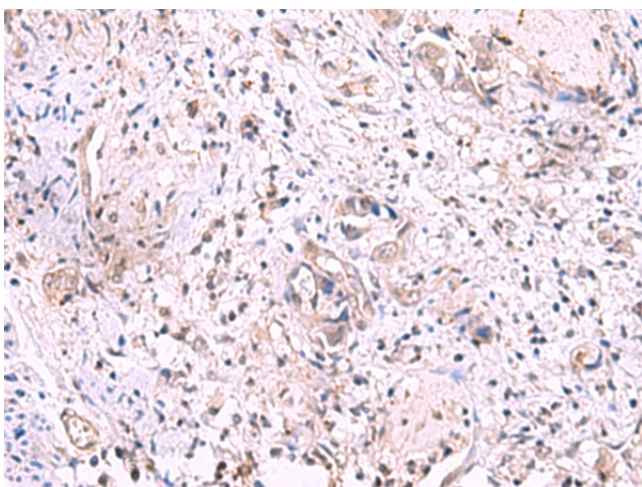
AMB11; CD158E; CD158E1; CD158e1/2; CD158e2; cl-2; cl-11; KIR; KIR3DS1; MGC119726; MGC119728; MGC126589; MGC126591; NK-receptor; NKAT-3; NKAT3; NKB1; NKB1B

**Product images:**

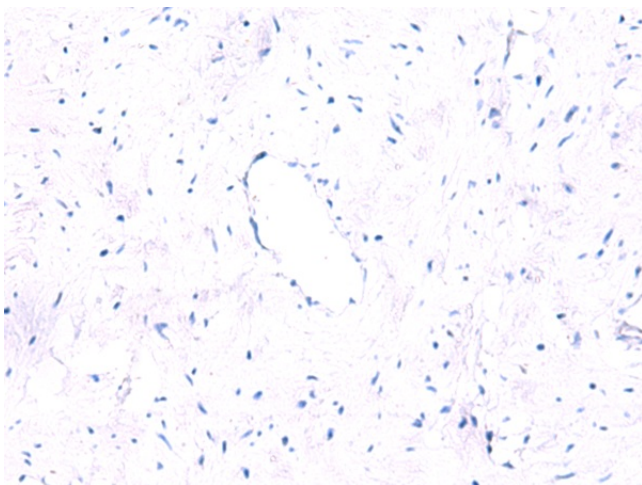
Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA370627 (KIR3DL1 Antibody) at dilution 1/95 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA370627 (KIR3DL1 Antibody) at dilution 1/95, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA370627 (KIR3DL1 Antibody) at dilution 1/95 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA370627 (KIR3DL1 Antibody) at dilution 1/95, treated with fusion protein. (Original magnification: x200)