

CD158a Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01363
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human KIR2DL1. AA range:131-180
Mol wt	38505
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	CD158a Antibody
Synonyms	KIR2DL1; CD158A; NKAT1; Killer cell immunoglobulin-like receptor 2DL1; CD158 antigen-like family member A; MHC class I NK cell receptor; Natural killer-associated transcript 1; NKAT-1; p58 natural kil

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. 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.

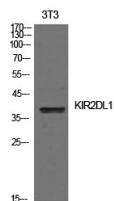
Recommended Dilution

WB: 1: 500 - 1: 2000

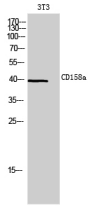
ELISA: 1: 10000

Not yet tested in other applications.

Images



Western Blot analysis of NIH-3T3 cells using CD158a Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Western Blot analysis of 3T3 cells using CD158a Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for one year

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