

Datasheet for ABIN7193293  
**anti-KIR2DL4/CD158d antibody (AA 22-120)**



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4 Images

## Overview

Quantity:	100 µL
Target:	KIR2DL4/CD158d (KIR2DL4)
Binding Specificity:	AA 22-120
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KIR2DL4/CD158d antibody is un-conjugated
Application:	Flow Cytometry (FACS), ELISA

## Product Details

Purpose:	CD158D Antibody
Immunogen:	Purified recombinant fragment of human CD158D (AA: 22-120) expressed in E. Coli.
Clone:	2E3E12
Isotype:	IgG1
Purification:	Purified antibody

## Target Details

Target:	KIR2DL4/CD158d (KIR2DL4)
Alternative Name:	CD158D ( <a href="#">KIR2DL4 Products</a> )
Background:	Description:

## Target Details

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. This gene is one of the "framework" loci that is present on all haplotypes. Alternate alleles of this gene are represented on multiple alternate reference loci (ALT\_REF\_LOCs). Alternative splicing results in multiple transcript variants, some of which may not be annotated on the primary reference assembly.

Aliases: KIR2DL4, G9P, KIR103, KIR-2DL4, KIR103AS, KIR-103AS

Molecular Weight:	41.5kDa
Gene ID:	3805
UniProt:	<a href="#">Q99706</a>

## Application Details

Application Notes:	ELISA: 1/10000 FCM: 1/200 - 1/400
Restrictions:	For Research Use only

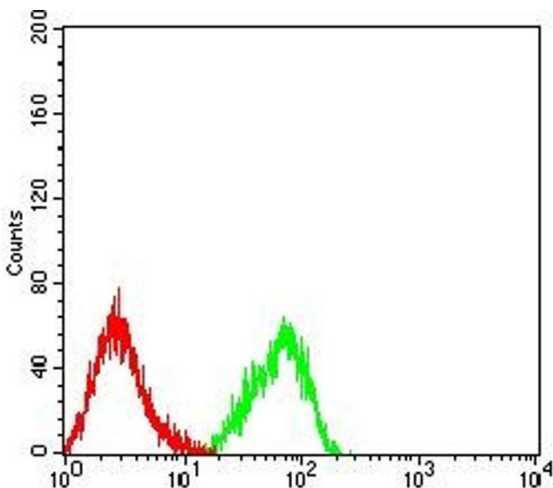
## Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

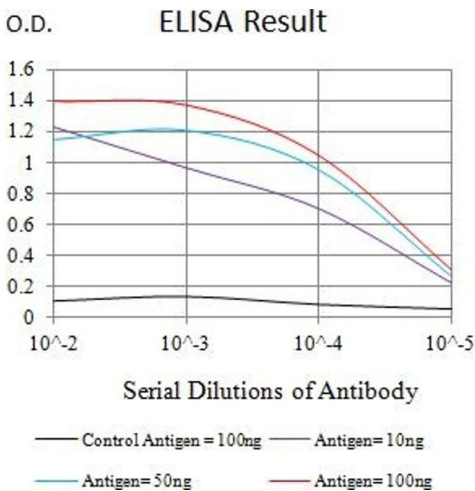
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Images



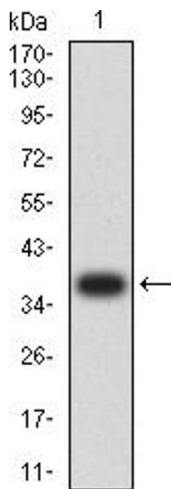
**Flow Cytometry**

**Image 1.** Flow cytometric analysis of HL-60 cells using CD158D mouse mAb (green) and negative control (red).



**ELISA**

**Image 2.** Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



**Western Blotting**

**Image 3.** Western blot analysis using CD158D mAb against human CD158D (AA: extra 22-120) recombinant protein. (Expected MW is 37.1 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7193293.