Datasheet for ABIN951198

anti-KIR2DL4/CD158d antibody (C-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	KIR2DL4/CD158d (KIR2DL4)
Binding Specificity:	AA 302-332, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIR2DL4/CD158d antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 302~332 amino acids from the C-terminal region of human CD158d / KIR2DL4
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human CD158d / KIR2DL4 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	KIR2DL4/CD158d (KIR2DL4)
Alternative Name:	CD158d / KIR2DL4 (KIR2DL4 Products)

Target Details

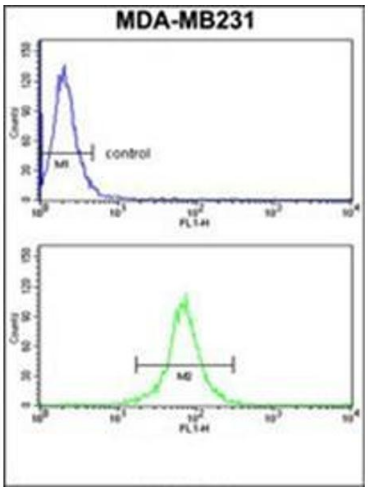
Background:	KIR2DL4 is killer cell immunoglobulin-like receptors (KIRs) which are transmembrane glycoproteins expressed by natural killer cells and subsets of T cells. The KIR genes are polymorphic and highly homologous and they are found in a cluster on chromosome 19q13.4 within the 1 Mb leukocyte receptor complex (LRC).Synonyms: CD158 antigen-like family member D, G9P, KIR103AS, Killer cell immunoglobulin-like receptor 2DL4, Killer cell inhibitory receptor 103AS, MHC class I NK cell receptor KIR103AS
Molecular Weight:	41528 Da
Gene ID:	3805
NCBI Accession:	NP_001074239

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

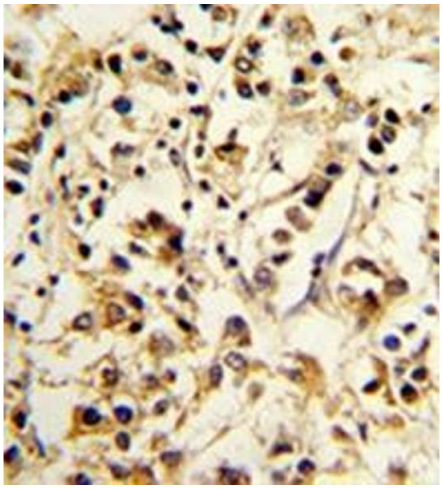
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



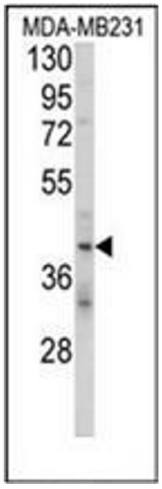
Flow Cytometry

Image 1. Flow cytometry analysis of MDA-MB231 cells using CD158d / KIR2DL4 Antibody (C-term) Cat.-No AP52370PU-N (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human breast carcinoma reacted with CD158d / KIR2DL4 Antibody (C-term) followed which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis of CD158d / KIR2DL4 Antibody (C-term) in MDA-MB231 cell line lysates (35ug/lane). KIR2DL4 (arrow) was detected using the purified Pab.