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Human CD158b2/KIR2DL3 antibody

Catalog Number: AKR3006

PRODUCT INFORMATION

Catalog number

AKR3006

Clone No.

190IIC311

Product type

Monoclonal Antibody

UnitProt No.

P43628

NCBI Accession No.

NP 055326

Alternative Names

Killer cell immunoglobulin like receptor, Two Ig domains and long cytoplasmic tail 3, Killer cell immunoglobulin-like receptor 2DL3, CD158 antigen-like family member B2, KIR-023GB, Killer inhibitory receptor cl 2-3, NKAT2a, NKAT2b, Natural killer-associated transcript 2, NKAT-2, p58 natural killer cell receptor clone CL-6, p58 NK receptor CL-6, p58.2 MHC class-I-specific NK receptor, CD158B2, KIRCL23, p58

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human KIR2DL3 (19-161aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

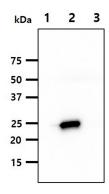
Reacts with extracellular domain of the KIR2DL3, a member of the Killer cell immunoglobulin-like receptor(KIR) family. The KIR family consists of transmembrane glycoproteins of the Ig superfamily expressed on human NK cells and a subset of human T cells which they are involved in recognition of either MHC class I molecules or unKnown ligand on target cells and inhibit cytotoxic activities.

General References

Shin JS, et al., (1999) Hybridoma 18:521-527. Chwae YJ, et al., (2002) J Immunology 169:3726-3735.

DATA

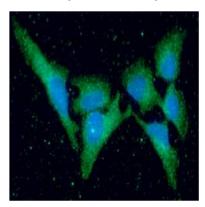
Western blot analysis (WB)



The recombinant proteins (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KIR2DL3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: KIR2DL1 recombinant protein Lane 2.: KIR2DL3 recombinant protein Lane 3.: KIR2DS4 recombinant protein

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of KIR2DL3 in HeLa cells. The cell was stained with AKR3006 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

