

Human KIR2DL1/KIR2DL3/KIR2DS4 antibody

Catalog Number: AKR0620

PRODUCT INFORMATION

Catalog number

AKR0620

Clone No.

2F9

Product type

Monoclonal Antibody

UnitProt No.

P43626

NCBI Accession No.

NP_055033

Alternative Names

Killer cell immunoglobulin like receptor two Ig domains and long cytoplasmic tail 1, Killer cell immunoglobulin-like receptor 2DL1, CD158 antigen-like family member A, Natural killer-associated transcript 1, NKAT-1, p58 natural killer cell receptor clones CL-42/47.11, p58 NK receptor CL-42/47.11, p58.1 MHC class-I-specific NK receptor, CD158a

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 kIR2DL1 (23-223 aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB, ICC/IF, FACS

Usage

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

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optimal results.

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

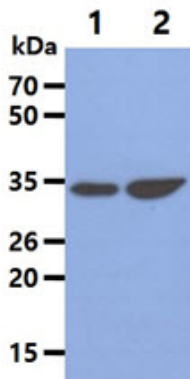
The KIR family consists of transmembrane glycoproteins of the Ig superfamily expressed on human Nk cells and a subset of human T cells which they are involved in recognition of either MHC class I molecules or unknown ligand on target cells and inhibit cytotoxic activities.

General References

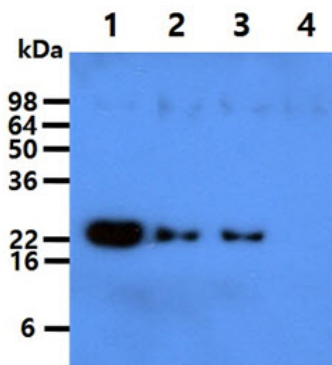
Shin JS, et al., 1999. Hybridoma 18:521-527.
Qing R. Fan, et al., 2001. Nature Immunology 2:452-460.

DATA

Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KIR2DL1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: HepG2 cell lysate
Lane 2.: Jurkat cell lysate

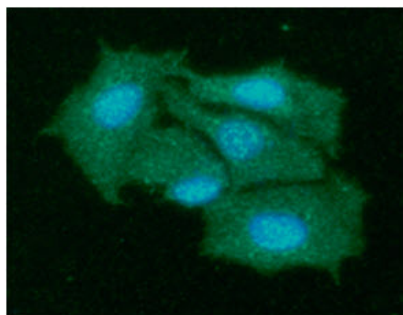


The recombinant protein (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KIR2DL1 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: KIR2DL1 recombinant protein
Lane 2.: KIR2DL3 recombinant protein
Lane 3.: KIR2DS4 recombinant protein
Lane 4.: KIR2DL4 recombinant protein

Immunocytochemistry/Immunofluorescence (ICC/IF)

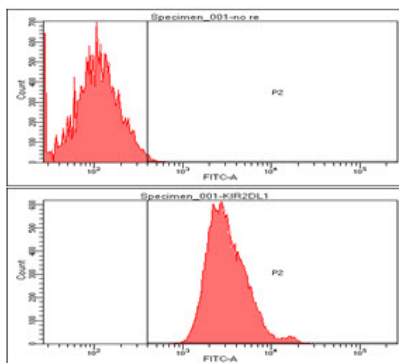
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ICC/IF analysis of KIR2DL1 in Hep3B cells. The cell was stained with AKR0620 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Flow cytometry (FACS)



Flow cytometry analysis of KIR2DL1 in Hep3B cell line, staining at 2-5ug for 1×10^6 cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.