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Human CD158i/KIR2DS4 antibody

Catalog Number: AKR0504

PRODUCT INFORMATION

Catalog number
AKR0504

Clone No.
5F2

Product type
Monoclonal Antibody

UnitProt No.
P43632

NCBI Accession No.
NP_036446

Alternative Names
Killer cell immunoglobulin like receptor two Ig domains and short cytoplasmic tail 4, Killer cell immunoglobulin-like receptor 2DS4, CD158 antigen-like family member I, Natural killer-associated transcript 8, NKAT-8, P58 natural killer cell receptor clones CL-39/CL-17, p58 NK receptor CL-39/CL-17, KKA3, cl-39

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 kIR2DS4 (23-223aa) purified from E. coli

Isotype
IgG2b kappa

Purification Note
By protein-G affinity chromatography

Application
ELISA, WB

Usage
The antibody has been tested by ELISA and Western blot 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

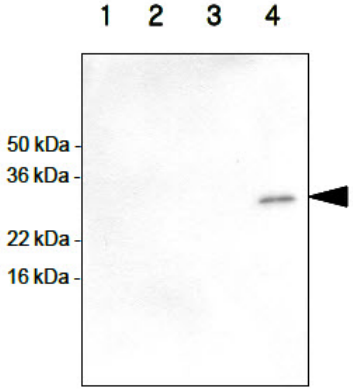
The KIR family consists of transmembrane glycoproteins of the Ig superfamily expressed on human Nk cells and a subset of human T cells which they are involved in recognition of either MHC class I molecules or unknown ligand on target cells and inhibit cytotoxic activities. KIR2DS4 is an activating receptor of KIR family.

General References

Steffens, U. et al. (1998) Tissue Antigens 51:398-413.
Kim, J. et al. (1997) J. Immunol. 159:3875-3882.
Wagtmann, N. R., et al. (1995) Immunity 2:439-449.

DATA

Western blot analysis (WB)



The recombinant proteins (100ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KIR2DS4 antibody (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: Recombinant human KIR2DL1 protein
Lane 2.: Recombinant human KIR2DL3 protein
Lane 3.: Recombinant human KIR2DL4 protein
Lane 4.: Recombinant human KIR2DS4 protein