

# KIR2DS4 (5F2): sc-59279

## BACKGROUND

NKAT (NK-associated transcripts) gene products, known as killer immunoglobulin-like receptors or KIRs, downregulate the cytotoxicity of NK cells upon recognition of specific class I major histocompatibility complex (MHC) molecules on target cells. This family of receptors is characterized by an extracellular region with two to three immunoglobulin-superfamily domains and a cytoplasmic domain with an antigen receptor activation motif (ARAM). KIRs and other inhibitory receptors also possess a common cytoplasmic sequence (I/VxYxxL/V) known as an ITIM (immunoreceptor tyrosine-based inhibitory motif). The human inhibitory human killer cell immunoglobulin-like receptor 2DS4 (KIR2DS4) is an activating KIR that recognizes the HLA-Cw4 protein and a non-class I MHC protein expressed on melanoma cell lines.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: KIR2DS4 (human) mapping to 19q13.42.

## SOURCE

KIR2DS4 (5F2) is a mouse monoclonal antibody raised against recombinant KIR2DS4 of human origin.

## PRODUCT

Each vial contains 100 µg IgG<sub>2b</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

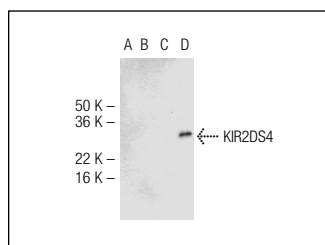
## APPLICATIONS

KIR2DS4 (5F2) is recommended for detection of KIR2DS4 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)]; non cross-reactive with KIR2DL1, KIR2DL3 and KIR2DL4.

Suitable for use as control antibody for KIR2DS4 siRNA (h): sc-106923, KIR2DS4 shRNA Plasmid (h): sc-106923-SH and KIR2DS4 shRNA (h) Lentiviral Particles: sc-106923-V.

Molecular Weight of KIR2DS4: 33 kDa.

## DATA



KIR2DS4 (5F2): sc-59279. Western blot analysis of recombinant human KIR2DL1 (A), KIR2DL3 (B), KIR2DL4 (C) and KIR2DS4 (D).

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.