

KIR2DL3 (190IIC311): sc-59274

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 2DL3 (KIR2DL3), also referred to as CD158b, is an inhibitory receptor that is specific for the human MHC class I molecule HLA-Cw3 and related alleles.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: KIR2DL3 (human) mapping to 19q13.42.

SOURCE

KIR2DL3 (190IIC311) is a mouse monoclonal antibody raised against full length KIR2DL3 of human origin.

PRODUCT

Each vial contains 100 µg IgG_{2a} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

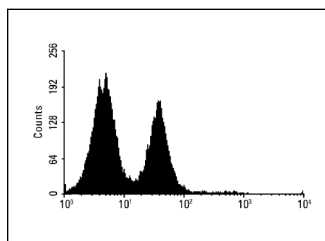
KIR2DL3 (190IIC311) is recommended for detection of KIR2DL3 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), flow cytometry (1 µg per 1 x 10⁶ cells) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for KIR2DL3 siRNA (h): sc-106736, KIR2DL3 shRNA Plasmid (h): sc-106736-SH and KIR2DL3 shRNA (h) Lentiviral Particles: sc-106736-V.

Molecular Weight (predicted) of KIR2DL3: 38 kDa.

Molecular Weight (observed) of KIR2DL3: 52 kDa.

DATA



Kir2DL3 (190IIC311): sc-59274. FCM analysis of NK cells.

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 for detailed protocols and support products.