

# KIR2DL3 (3H1906): sc-71466

## 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 (3H1906) is a mouse monoclonal antibody raised against NK cell clone E57 of human origin.

## PRODUCT

Each vial contains 100 µg IgG<sub>1</sub> in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

KIR2DL3 (3H1906) is recommended for detection of KIR2DL3 of human origin by immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and flow cytometry (1 µg per 1 x 10<sup>6</sup> cells).

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.

## 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.