

KIR3DL1 (h): 293T Lysate: sc-114644

BACKGROUND

The killer immunoglobulin-like receptors (KIRs) on natural killer (NK) cells regulate the inhibition and activation of NK-cell responses through recognition of human leukocyte antigen (HLA) class I molecules. KIR3DL1, a receptor for HLA-B antigens with the Bw4 allele, transmits an inhibitory signal to prevent killer cell-mediated cytotoxicity. KIR3DL1 encodes a 444 amino acid type I transmembrane protein, containing three immunoglobulin-like C2-type domains. Human KIR3DL1 maps to chromosome 19q13.4.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: KIR3DL1 (human) mapping to 19q13.4.

PRODUCT

KIR3DL1 (h): 293T Lysate represents a lysate of human KIR3DL1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

KIR3DL1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive KIR3DL1 antibodies. Recommended use: 10-20 µl per lane.

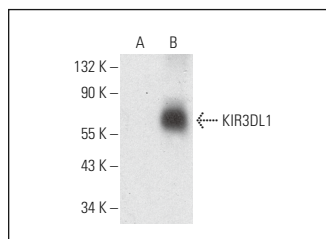
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

KIR3DL1 (C-8): sc-514336 is recommended as a positive control antibody for Western Blot analysis of enhanced human KIR3DL1 expression in KIR3DL1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

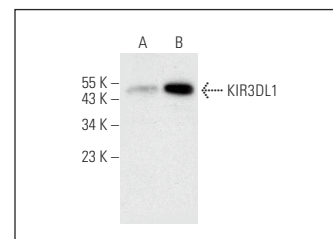
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



KIR3DL1 (C-8): sc-514336. Western blot analysis of KIR3DL1 expression in non-transfected: sc-117752 (A) and human KIR3DL1 transfected: sc-114644 (B) 293T whole cell lysates.



KIR3DL1/2 (G-4): sc-398824. Western blot analysis of KIR3DL1 expression in non-transfected: sc-117752 (A) and human KIR3DL1 transfected: sc-114644 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. 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.