

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB06839-T - Goat Anti-NKG2D / KLRK1 Antibody - Trial

Size: 20µg specific antibody in 40µl

Target Protein

Principal Names: KLRK1, NKG2-D, killer cell lectin-like receptor subfamily K, member 1, HGNC:18788, D12S2489E, KLR, NK cell receptor D, NKG2-D type II integral membrane

protein, CD314, D12S2489E, FLJ17759, FLJ75772, NKG2D

Official Symbol: KLRK1

Accession Number(s): NP_031386.2

Human GenelD(s): 22914

Immunogen

Peptide with sequence C-KVYSKEDQDLLK, from the internal region of the protein sequence according to NP_031386.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

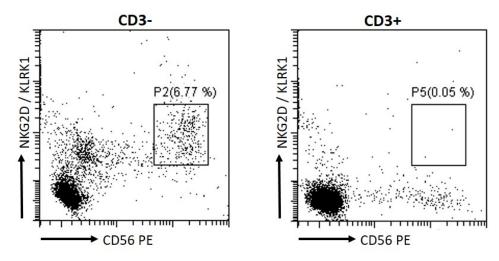
Western blot: Approx 36-37kDa band observed in lysates of cell line MOLT4 (calculated MW of 25.3kDa according to NP_031386.2). This molecular weight is routinely observed by other sources, and was successfully blocked by incubation with the immunising peptide. Recommended concentration: 0.1-0.5μg/ml. Primary incubated 1 hour at room temperature.

Flow Cytometry: Flow cytometric analysis showing the expression of NKG2D on a subset of CD56⁺CD3⁻ NK cells. Recommended concentration: 10ug/ml.

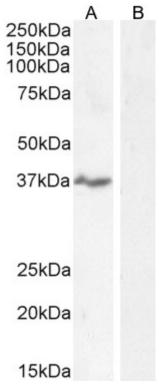
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat



EB06839 Flow cytometric analysis of human peripheral blood monocytes. Primary incubation 30 minutes (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml).



EB06839 staining (0.5ug/ml) of MOLT-4 cell lysate (A) + peptide (B). (35µg protein in RIPA buffer). Detected by chemiluminescence.