

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries: info@everestbiotech.com Sales: sales@everestbiotech.com Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

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

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 GeneID(s): <u>22914</u>

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 1:32000.

Western blot: Approx 35kDa band observed in Human Lymph Node and Human Spleen lysates (calculated MW of 25.3kDa according to NP_031386.2). The observed molecular weight is explained by glycosylation (Han et al, Blood. 2004 Nov 1;104(9):2858-66. Epub 2004 Jul 6; PMID: 15238421). Recommended concentration: 0.1-0.3µg/ml. Primary incubated for 1 hour. Preliminary testing was unsuccessful on Mouse and Rat Spleen, and Rat Thymus for this particular batch.

Species Reactivity

Tested: Human Expected from sequence similarity: Human, Mouse, Rat EB06839 staining (0.3µg/ml) of Human Spleen lysate (RIPA buffer, 35µg total protein per lane). Detected by chemiluminescence.