



## UK Office

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**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 GeneID(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.

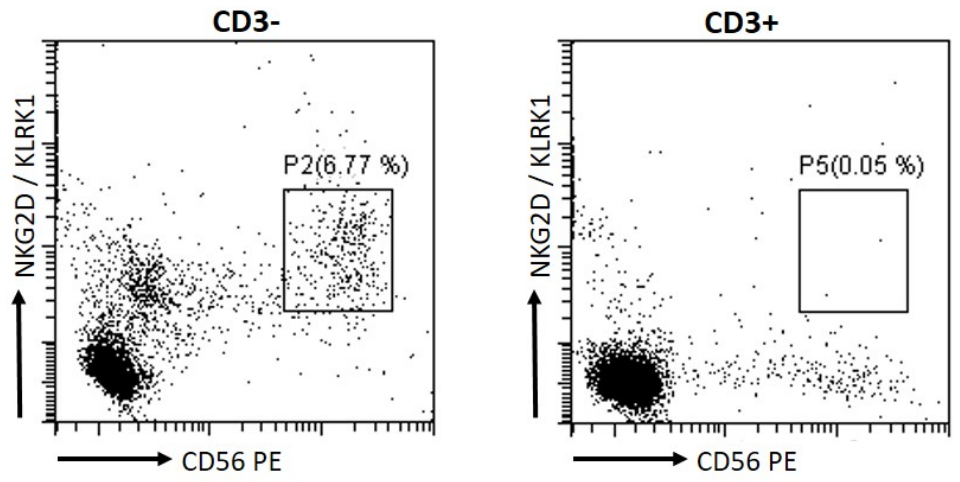
**Western blot:** Approx 36-37kDa band observed in lysates of cell line MOLT4 (calculated MW of 25.3kDa according to NP\_031386.2). This molecular weight is routinely observed by other sources, and was successfully blocked by incubation with the immunising peptide. Recommended concentration: 0.1-0.5µg/ml. Primary incubated 1 hour at room temperature.

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

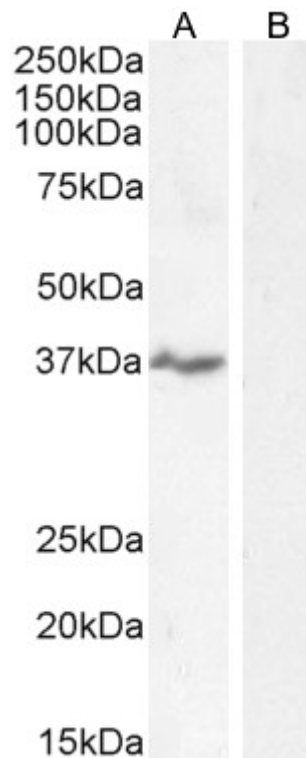
### Species Reactivity

**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.