

ULBP2 Monoclonal antibody

Catalog Number: 67249-1-Ig

Basic Information

Catalog Number:

67249-1-Ig

Size:

2100 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28879

GenBank Accession Number:

BC034689

GeneID (NCBI):

80328

UNIPROT ID:

Q9BZM5

Full Name:

UL16 binding protein 2

Calculated MW:

246 aa, 27 kDa

Observed MW:

30-35 kDa

Purification Method:

Protein G purification

CloneNo.:

1A9G8

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : HL-60 cells, TF-1 cells, K-562 cells, THP-1 cells, Jurkat cells

Background Information

NKG2D is an activating cell surface receptor that is predominantly expressed on cytotoxic immune cells. NKG2D recognizes a wide range of ligands. In humans, the NKG2D ligand (NKG2DL) includes MICA, MICB, and six members of the ULBP family (ULBP1-6) (PMID: 29568297; 30813924). ULBPs are MHC class I-related molecules (PMID: 11239445). ULBP2 contains two Ig-like domains, the alpha-1 and alpha-2 domains characteristic of the MHC class I family, but lacks the alpha-3 domain. It can be expressed as either a transmembrane or GPI-linked protein, or released from the cell surface (PMID: 21224393; 24614922). ULBP2 binds and activates the NKG2D, mediating the recruitment and activation of NK cells.

Storage

Storage:

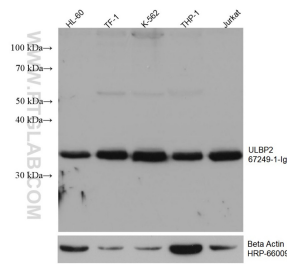
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67249-1-Ig (ULBP2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.