

For Research Use Only

ULBP2 Monoclonal antibody

Catalog Number: 67249-1-Ig



Basic Information

Catalog Number: 67249-1-Ig	GenBank Accession Number: BC034689	Purification Method: Protein G purification
Size: 150ul , Concentration: 2100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80328	CloneNo.: 1A9G8
Source: Mouse	UNIPROT ID: Q9BZM5	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Full Name: UL16 binding protein 2	
Immunogen Catalog Number: AG28879	Calculated MW: 246 aa, 27 kDa	
	Observed MW: 30-35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HL-60 cells, TF-1 cells, K-562 cells, THP-1 cells, Jurkat cells
Species Specificity: Human	

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

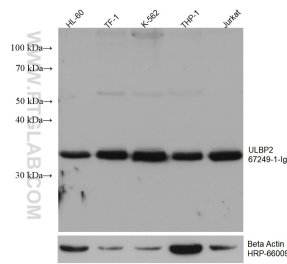
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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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.