

For Research Use Only

ULBP2 Monoclonal antibody, PBS Only



Catalog Number: 67249-1-PBS

Basic Information

Catalog Number: 67249-1-PBS	GenBank Accession Number: BC034689	Purification Method: Protein G purification
Size: 1mg/ml	GeneID (NCBI): 80328	CloneNo.: 1A9G8
Source: Mouse	UNIPROT ID: Q9BZM5	
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, Indirect ELISA

Species Specificity:
Human

Background Information

NKG2D 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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

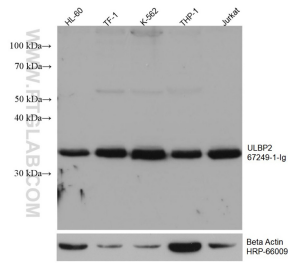
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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. This data was developed using the same antibody clone with 67249-1-PBS in a different storage buffer formulation.