

For Research Use Only

# Rat B7-H4 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 86484-1-PBS



## Basic Information

Catalog Number: 86484-1-PBS	GenBank Accession Number: NM_001024244.1	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 295322	CloneNo.: 250392C3
Source: Rabbit	UNIPROT ID: Q501W4	
Isotype: IgG	Full Name: V-set domain containing T cell activation inhibitor 1	
Immunogen Catalog Number: EG3230	Calculated MW: 31 kDa	
	Observed MW: 75 kDa	

## Applications

**Tested Applications:**  
WB, Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
mouse, rat

## Background Information

B7-H4, also named VTCN1, B7X, or B7S1, is a single-pass type I membrane protein, which contains two immunoglobulin-like domains and belongs to the immunoglobulin superfamily. B7-H4 negatively regulates T-cell mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. B7-H4 is over-expressed in many cancers, including breast, ovarian, endometrial, renal cell and non-small-cell lung cancers. The predicted molecular weight of B7 H4 is 31 kDa. The glycosylated B7 H4 is 50 to 80 kDa, and the non-glycosylated form is 28 kDa.

## 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, pH7.3

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

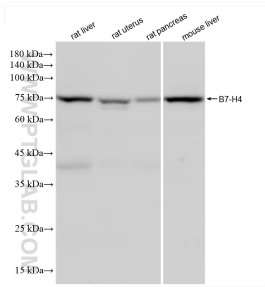
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

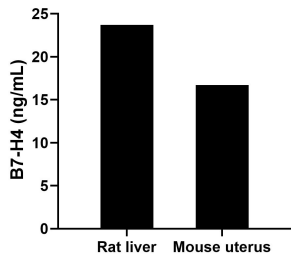
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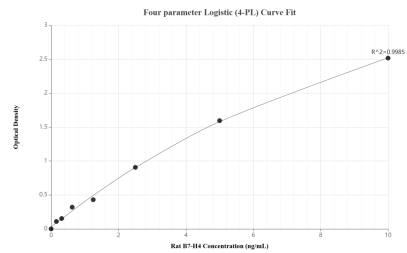
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86484-1-RR (B7-H4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86484-1-PBS in a different storage buffer formulation.



The mean B7-H4 concentration was determined to be 23.71 ng/mL in rat liver extract based on a 8.20 mg/mL extract load and 16.72 ng/mL in mouse uterus extract based on a 3.40 mg/mL extract load.



Sandwich ELISA standard curve of MP02632-1, Rat B7-H4 Recombinant Matched Antibody Pair - PBS only. 86484-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg3230. 86484-2-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL.