

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
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	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

Product Information

86484-1-PBS targets B7-H4 as part of a matched antibody pair:

MP02632-1: 86484-1-PBS capture and 86484-2-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

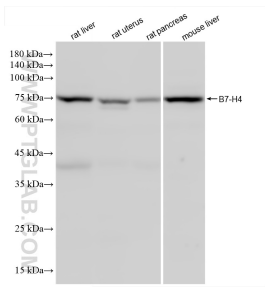
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

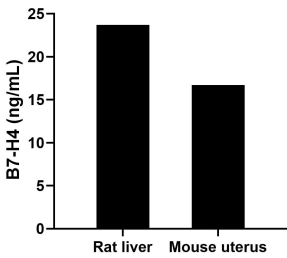
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

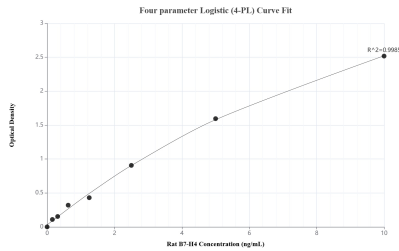
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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.