

For Research Use Only

# B7 H4 Monoclonal antibody, PBS Only

Catalog Number:66817-1-PBS



## Basic Information

<b>Catalog Number:</b> 66817-1-PBS	<b>GenBank Accession Number:</b> BC065717	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1mg/ml	<b>GeneID (NCBI):</b> 79679	<b>CloneNo.:</b> 2E5B1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q7Z7D3	
<b>Isotype:</b> IgG1	<b>Full Name:</b> V-set domain containing T cell activation inhibitor 1	
<b>Immunogen Catalog Number:</b> AG27751	<b>Calculated MW:</b> 282 aa, 31 kDa	
	<b>Observed MW:</b> 31-35 kDa	

## Applications

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

**Species Specificity:**  
human, mouse, rat

## Background Information

B7 H4 also named VTCN1, B7X, or B7S1 is a 282 amino acid protein, which contains 2 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 a single-pass type I membrane protein, which is over-expressed in 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

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

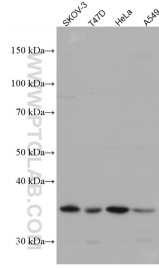
T: 4006900926

E: Proteintech-CN@ptglab.com

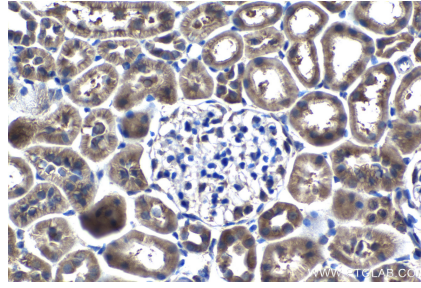
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66817-1-Ig (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 66817-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 66817-1-Ig (B7 H4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66817-1-PBS in a different storage buffer formulation.