

For Research Use Only

Mouse CD8b Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 86024-1-PBS



Basic Information

Catalog Number:	86024-1-PBS	GenBank Accession Number:	NM_009858.2	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	12526	CloneNo.:	250480F2
Isotype:	IgG	UNIPROT ID:	P10300		
Immunogen Catalog Number:	EG4275	Full Name:	CD8 antigen, beta chain 1		
		Calculated MW:	24 kDa		
		Observed MW:	26-30 kDa		

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
mouse

Background Information

CD8b (T-cell surface glycoprotein CD8 beta chain) is an integral membrane glycoprotein that forms disulfide-linked heterodimers with CD8a (CD8 alpha chain). The CD8 alpha/beta heterodimer is the predominant CD8 complex expressed on the cell surface (PMID: 1534146; 2111591). CD8 is a transmembrane glycoprotein predominantly expressed on cytotoxic T cells and can also be found on natural killer cells, cortical thymocytes, and dendritic cells. CD8 serves as a co-receptor for the T cell receptor (TCR). Both CD8 and TCR recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. CD8 plays a role in T cell development and activation of mature T cells.

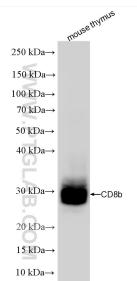
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

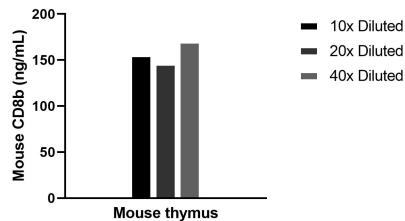
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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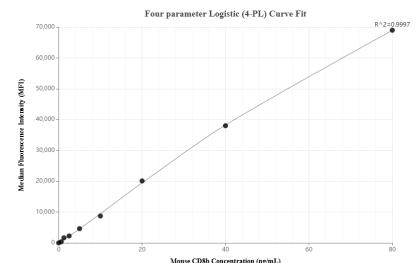
Selected Validation Data



Mouse thymus tissue was subjected to SDS PAGE followed by western blot with 86024-1-RR (CD8 beta antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86024-1-PBS in a different storage buffer formulation.



The mean CD8b concentration was determined to be 157.0 ng/mL in Mouse thymus tissue extract based on a 5.8 mg/mL extract load.



Cytometric bead array standard curve of MP02794-1, MOUSE CD8b Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86024-1-PBS. Detection antibody: 86024-2-PBS. Standard: Eg4275. Range: 0.625-80 ng/mL.