

For Research Use Only

# Mouse ICOS/CD278 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85035-2-PBS



## Basic Information

<b>Catalog Number:</b> 85035-2-PBS	<b>GenBank Accession Number:</b> NM_017480.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54167	<b>CloneNo.:</b> 242639D5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9WVS0	
<b>Isotype:</b> IgG	<b>Full Name:</b> inducible T-cell co-stimulator	
	<b>Calculated MW:</b> 23kDa	
	<b>Observed MW:</b> 22 kDa	

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

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

## Product Information

85035-2-PBS targets ICOS/CD278 as part of a matched antibody pair:

MP01745-2: 85035-2-PBS capture and 85035-3-PBS detection (validated in Cytometric bead array)

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

Inducible T cell co-stimulator (ICOS) is related to the CD28 superfamily and is highly expressed on activated T cells as well as regulatory T cells and is crucial for the survival and function of T cells, Th2 cell differentiation, and lung inflammatory responses. Binding ICOS to ICOS-ligand (ICOS-L) activates a cascade of intracellular signaling molecules that prevent apoptosis and lead to the production of cytokines such as IL-4 and IL-13.

## Storage

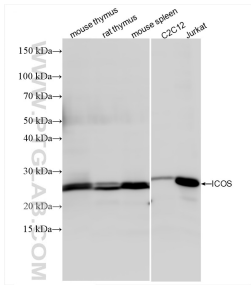
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

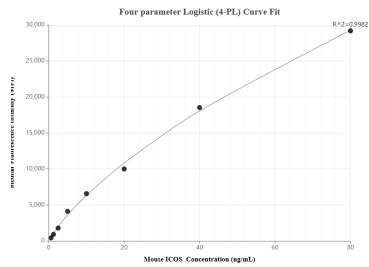
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85035-2-RR (ICOS antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85035-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01745-2, MOUSE ICOS Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85035-2-PBS. Detection antibody: 85035-3-PBS. Standard: Eg3198. Range: 0.625-80 ng/mL.