

For Research Use Only



# Mouse FAM3D Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 86090-1-PBS

## Basic Information

<b>Catalog Number:</b> 86090-1-PBS	<b>GenBank Accession Number:</b> NM_146050.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 18300	<b>CloneNo.:</b> 250561F4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P97805	
<b>Isotype:</b> IgG	<b>Full Name:</b> oncoprotein induced transcript 1	
<b>Immunogen Catalog Number:</b> EG2694	<b>Calculated MW:</b> 25 kDa	
	<b>Observed MW:</b> 25 kDa	

## Applications

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

**Species Specificity:**  
mouse, rat

## Product Information

86090-1-PBS targets FAM3D as part of a matched antibody pair:

MP02761-1: 86090-4-PBS capture and 86090-1-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

FAM3D (family with sequence similarity 3, member D) is a protein that belongs to the FAM3 family, which is a novel cytokine-like gene family identified in 2002. This family comprises four members: FAM3A, FAM3B, FAM3C, and FAM3D. FAM3D is a gut-secreted protein that is regulated by nutritional status. It has a predicted secondary structure of a four-helix bundle, which is a common feature in many other cytokines.

## Storage

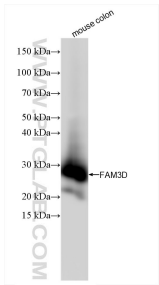
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

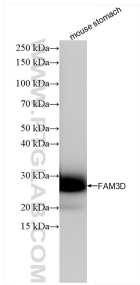
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

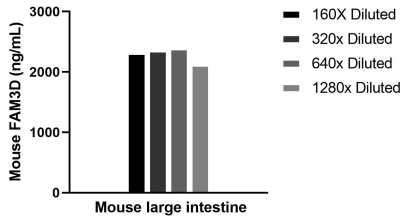
Selected Validation Data



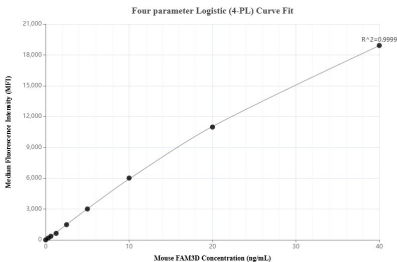
mouse colon tissue were subjected to SDS PAGE followed by western blot with 86090-1-RR (FAM3D antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86090-1-PBS in a different storage buffer formulation.



mouse stomach tissue were subjected to SDS PAGE followed by western blot with 86090-1-RR (FAM3D antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86090-1-PBS in a different storage buffer formulation.



The mean FAM3D concentration was determined to be 2291.8 ng/mL in Mouse large intestine tissue extract based on a 4.5 mg/mL extract load.



Cytometric bead array standard curve of MP02761-1, MOUSE FAM3D Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86090-4-PBS. Detection antibody: 86090-1-PBS. Standard: Eg2694. Range: 0.312-40 ng/mL