

For Research Use Only

POFUT1 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 87434-1-PBS



Basic Information

Catalog Number: 87434-1-PBS	GenBank Accession Number: NM_015352.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23509	CloneNo.: 252682G5
Source: Rabbit	UNIPROT ID: Q9H488-1	
Isotype: IgG	Full Name: protein O-fucosyltransferase 1	
Immunogen Catalog Number: EG6687	Calculated MW: 44 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

87434-1-PBS targets POFUT1 as part of a matched antibody pair:

MP03009-1: 87434-2-PBS capture and 87434-1-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

POFUT1 (protein O-fucosyltransferase 1), also known as GDP-fucose protein O-fucosyltransferase, is an enzyme that catalyzes the reaction that attaches fucose through an O-glycosidic linkage to a conserved serine or threonine residue in EGF domains and plays a crucial role in Notch signaling.

Storage

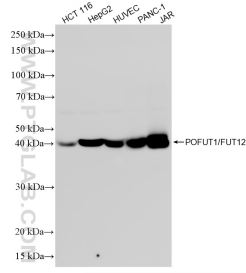
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

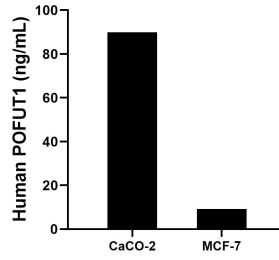
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

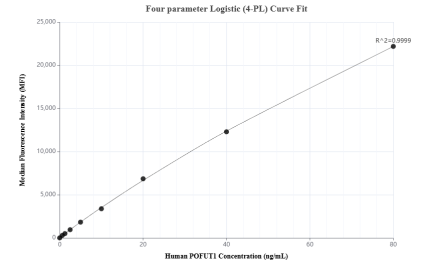
Selected Validation Data



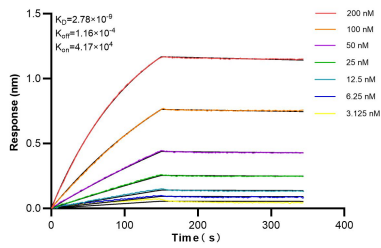
Various lysates were subjected to SDS PAGE followed by western blot with 87434-1-RR (POFUT1/FUT12 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87434-1-PBS in a different storage buffer formulation.



The mean POFUT1 concentration was determined to be 89.9 ng/mL in CaCO-2 cell extract based on a 1.3 mg/mL extract load, 9.2 ng/mL in MCF-7 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03009-1, POFUT1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87434-2-PBS. Detection antibody: 87434-1-PBS. Standard: Eg6687. Range: 0.625-80 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 87434-1-RR against Human POFUT1 were performed. The affinity constant is 2.78 nM.