

For Research Use Only

Claudin 1 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 87782-1-PBS



Basic Information

Catalog Number: 87782-1-PBS	GenBank Accession Number: BC012471	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9076	CloneNo.: 253345C8
Source: Rabbit	UNIPROT ID: O95832	
Isotype: IgG	Full Name: claudin 1	
Immunogen Catalog Number: AG29269	Calculated MW: 211 aa, 23 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

87782-1-PBS targets Claudin 1 as part of a matched antibody pair:

MP03201-1: 87782-2-PBS capture and 87782-1-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

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.

Storage

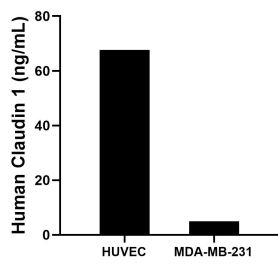
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

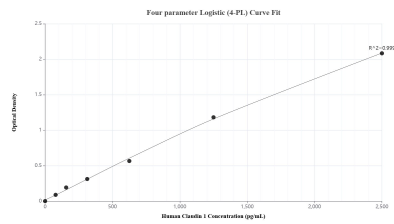
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

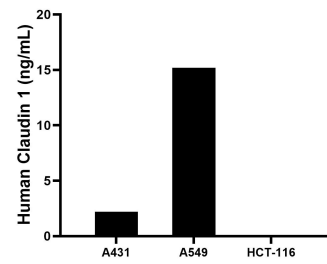
Selected Validation Data



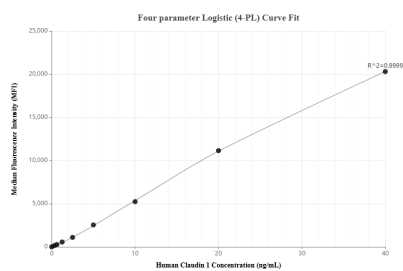
The mean Claudin 1 concentration was determined to be 67.6 ng/mL in HUVEC cell extract based on a 1.5 mg/mL extract load and 5.0 ng/mL in MDA-MB-231 cell extract based on a 1.2 mg/mL extract load.



Sandwich ELISA standard curve of MP03201-1, Human Claudin 1 Recombinant Matched Antibody Pair - PBS only. 87782-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag29269. 87782-1-PBS was HRP conjugated as the detection antibody. Range: 78.1-2500 pg/mL.



The mean Claudin 1 concentration was determined to be 2.2 ng/mL in A431 cell extract based on a 1.5 mg/mL extract load, 15.2 ng/mL in A549 cell extract based on a 1.2 mg/mL extract load, HCT-116 cell extract were served as a negative control.



Cytometric bead array standard curve of MP03201-1, Claudin 1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87782-2-PBS. Detection antibody: 87782-1-PBS. Standard: Ag29269. Range: 0.312-40 ng/mL.