

For Research Use Only

Islet 1 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83784-6-PBS



Basic Information

Catalog Number:

83784-6-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33541

GenBank Accession Number:

BC031213

GeneID (NCBI):

3670

UNIPROT ID:

P61371

Full Name:

ISL LIM homeobox 1

Calculated MW:

39 kDa

Observed MW:

39-45 kDa

Purification Method:

Protein A purification

CloneNo.:

240833B2

Applications

Tested Applications:

WB, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:

human

Product Information

83784-6-PBS targets Islet 1 as part of a matched antibody pair:

MP00771-4: 83784-7-PBS capture and 83784-6-PBS detection (validated in 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.

Background Information

ISL1 belongs to the LIM homeodomain transcription factor family that binds to the enhancer region of the INS gene. It plays a pivotal role in cardiogenesis, and lacking ISL1 expression results in growth arrest or displays profound defects in heart development, including atria, ventricle, and the inflow and outflow tracts. Ubiquitinated probably by WWP1 E3 ubiquitin ligase; ubiquitination is followed by protein degradation.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

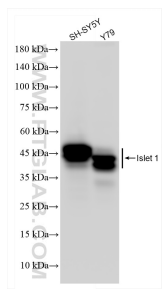
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

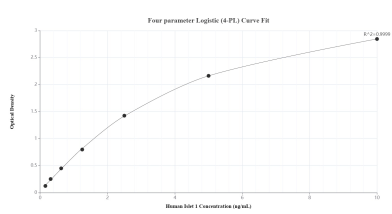
E: proteintech@ptglab.com
W: ptglab.com

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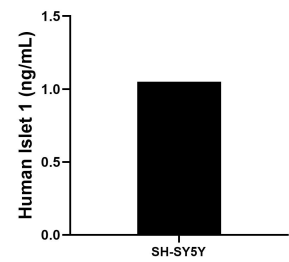
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83784-6-RR (Islet 1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83784-6-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP00771-4, Human Islet 1 Recombinant Matched Antibody Pair - PBS only. 83784-7-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag33541. 83784-6-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



The mean Islet 1 concentration was determined to be 1.05 ng/mL in SH-SY5Y cell extract based on a 3.40 mg/mL extract load.