

For Research Use Only

# Mouse Endoglin/CD105 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84807-2-PBS



## Basic Information

**Catalog Number:**

84807-2-PBS

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_007932.2

**GeneID (NCBI):**

13805

**UNIPROT ID:**

Q63961

**Full Name:**

endoglin

**Calculated MW:**

70kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

242305E7

## Applications

**Tested Applications:**

Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**

mouse

## Product Information

84807-2-PBS targets Endoglin/CD105 as part of a matched antibody pair:

MP01582-1: 84807-2-PBS capture and 84807-1-PBS detection (validated in Cytometric bead array)

MP01582-2: 84807-2-PBS capture and 84807-3-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

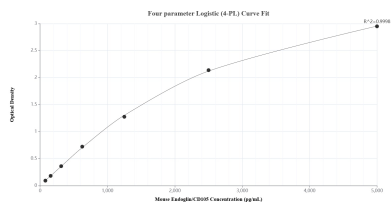
For technical support and original validation data for this product please contact:

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

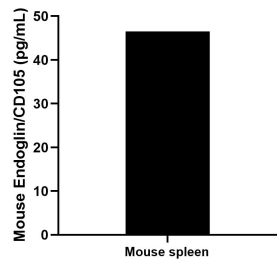
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

Selected Validation Data



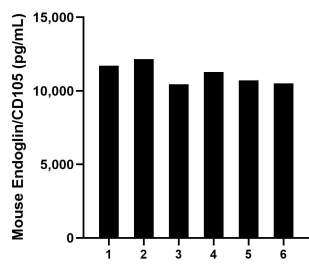
Sandwich ELISA standard curve of MP01582-2, Mouse Endoglin/CD105 Recombinant Matched Antibody Pair - PBS only. 84807-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1292. 84807-3-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



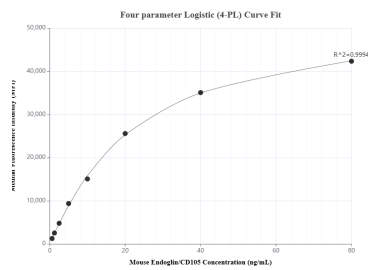
Mouse spleen cells (1/2 spleen; 1-2 mm pieces) were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernatant was removed, assayed for mouse Endoglin/CD105, and measured 46.5 pg/mL



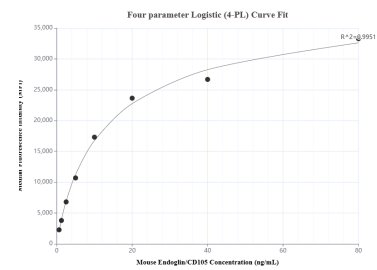
The mean Endoglin/CD105 concentration was determined to be 2.2 ng/mL in mouse heart tissue homogenates based on a 1.4 mg/mL extract load and 26.8 ng/mL in mouse spleen tissue homogenates based on a 2.3 mg/mL extract load.



Serum of six mice was measured. The Endoglin/CD105 concentration of detected samples was determined to be 11,141.1 pg/mL with a range of 10,457.3 -12,164.8 pg/mL



Cytometric bead array standard curve of MP01582-1, MOUSE Endoglin/CD105 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84807-2-PBS. Detection antibody: 84807-1-PBS. Standard: Eg1292. Range: 0.625-80 ng/mL



Cytometric bead array standard curve of MP01582-2, MOUSE Endoglin/CD105 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84807-2-PBS. Detection antibody: 84807-3-PBS. Standard: Eg1292. Range: 0.625-80 ng/mL