

# Mouse Endoglin/CD105 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01582-2**

## Capture Antibody Information

**Catalog Number:**  
84807-2-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
242305E7  
**Reactivity:**  
mouse  
**GenBank:**  
NM\_007932.2

**Conjugate:**  
Unconjugated  
**Full name:**  
endoglin  
**Gene ID:**  
13805

## Detection Antibody Information

**Catalog Number:**  
84807-3-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
242305G10  
**Reactivity:**  
mouse  
**GenBank:**  
NM\_007932.2

**Conjugate:**  
Unconjugated  
**Full name:**  
endoglin  
**Gene ID:**  
13805

## Applications

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

**Range:**  
0.625-80 ng/mL (Cytometric Bead  
Array)  
78.1-5000 pg/mL (Sandwich ELISA)

**Recommended Dilutions:**  
It is recommended that this reagent  
should be titrated in each testing  
system to obtain optimal results.

## Product Information

MP01582-2 targets Endoglin/CD105 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Mouse Endoglin/CD105 Recombinant antibody, PBS Only (Capture) 84807-2-PBS (242305E7). 100 µg. Concentration 1 mg/mL.

Detection antibody: Mouse Endoglin/CD105 Recombinant antibody, PBS Only (Detector) 84807-3-PBS (242305G10). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

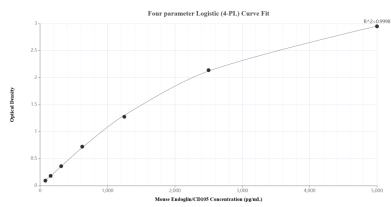
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

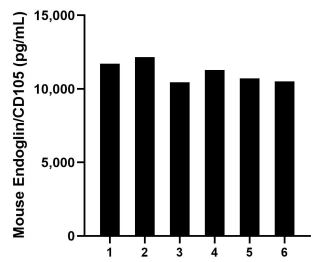
## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
**Storage buffer:**  
PBS only

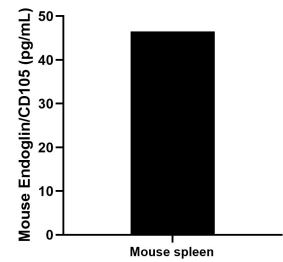
Selected Validation Data



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



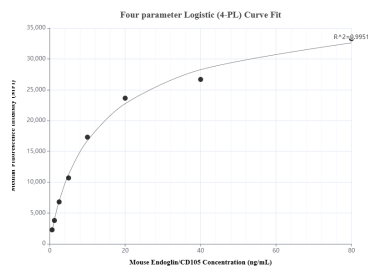
Serum of six mice was measured. The Endoglin/CD105 concentration of detected samples was determined to be 11,141.1 pg/mL with a range of 10,457.3 -12,164.8 pg/mL.



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.



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.