

For Research Use Only

CEACAM1/CD66a Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 83524-9-PBS



Basic Information

| | | |
|--|---|---|
| Catalog Number: 83524-9-PBS | GenBank Accession Number: BC014473 | Purification Method: Protein A purification |
| Size: 100ug, Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 634 | CloneNo.: 253148A8 |
| Source: Rabbit | UNIPROT ID: P13688 | |
| Isotype: IgG | Full Name: carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) | |
| Immunogen Catalog Number: EG7064 | Calculated MW: 526 aa, 58 kDa | |

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

83524-9-PBS targets CEACAM1/CD66a as part of a matched antibody pair:

MP00520-5: 83524-9-PBS capture and 83524-6-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.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

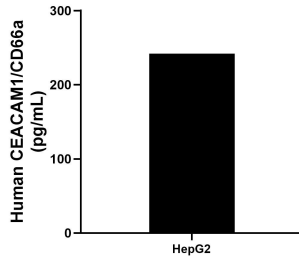
For technical support and original validation data for this product please contact:

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

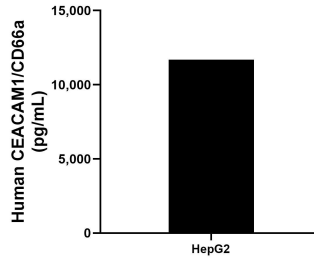
E: proteintech@ptglab.com
W: ptglab.com

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

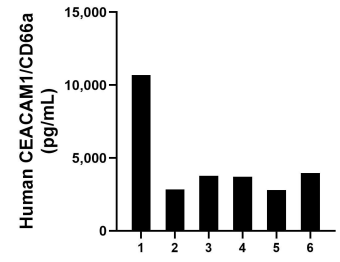
Selected Validation Data



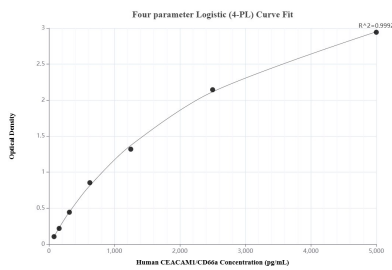
HepG2 (human hepatocellular carcinoma cells) were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human CEACAM1/CD66a, and measured 241.8 pg/mL.



The mean CEACAM1/CD66a concentration was determined to be 11,693.8 pg/mL in HepG2 cell extract based on a 1.5 mg/mL extract load.



Plasma of six individual healthy human donors was measured. The human CEACAM1/CD66a concentration of detected samples was determined to be 4,624.2 ng/mL with a range of 2,787.3 - 10,691.2 pg/mL.



Sandwich ELISA standard curve of MP00520-5, Human CEACAM1/CD66a Recombinant Matched Antibody Pair - PBS only. 83524-9-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg7064. 83524-6-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL