

For Research Use Only

Human IgM Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87380-4-PBS



Basic Information

Catalog Number:

87380-4-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6742

GenBank Accession Number:

BC020240

GeneID (NCBI):

3507

Full Name:

immunoglobulin heavy constant mu

Purification Method:

Protein A purification

CloneNo.:

252244D5

Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:

human

Product Information

87380-4-PBS targets Human IgM as part of a matched antibody pair:

MP02989-1: 87380-4-PBS capture and 87380-3-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, pH7.3

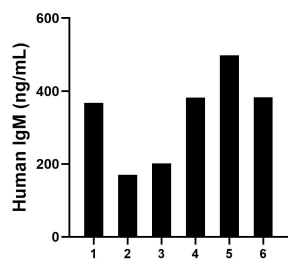
For technical support and original validation data for this product please contact:

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

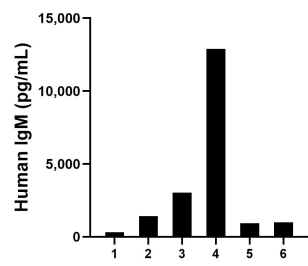
E: proteintech@ptglab.com
W: ptglab.com

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

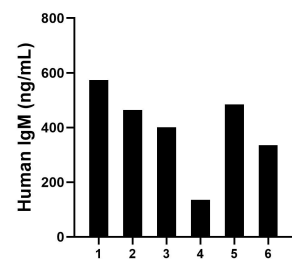
Selected Validation Data



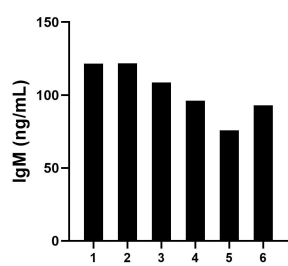
Human milk of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 333.5 ng/mL with a range of 170.0-497.6 ng/mL.



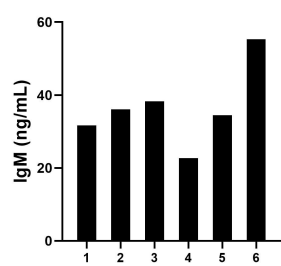
Urine of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 3,260.1 pg/mL with a range of 323.6-12,883.4 pg/mL.



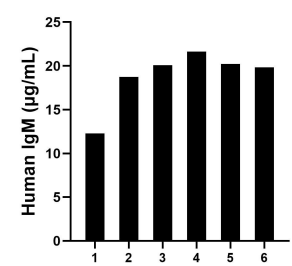
Saliva of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 399.0 ng/mL with a range of 135.7-573.2 ng/mL.



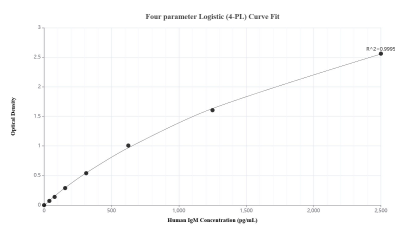
Serum of six mice was measured. The IgM concentration of detected samples was determined to be 102.8 ng/mL with a range of 75.7-121.7 ng/mL.



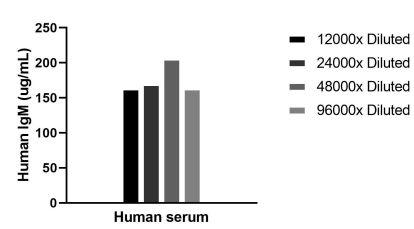
Serum of six rats was measured. The IgM concentration of detected samples was determined to be 36.4 ng/mL with a range of 22.7-55.3 ng/mL.



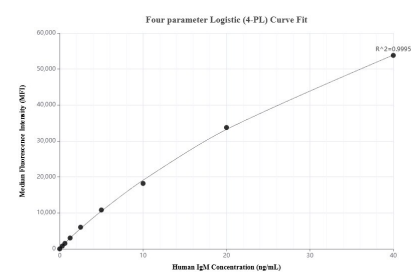
Plasma of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 18.8 µg/mL with a range of 12.3-21.6 µg/mL.



Sandwich ELISA standard curve of MP02989-1, Human IgM Recombinant Matched Antibody Pair - PBS only. 87380-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg6742. 87380-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL.



The mean IgM concentration was determined to be 175.3 µg/mL in Human serum.



Cytometric bead array standard curve of MP02989-1, IgM Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87380-4-PBS. Detection antibody: 87380-3-PBS. Standard: Eg6742. Range: 0.312-40 ng/mL.