

IgM Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02989-1**

Capture Antibody Information

Catalog Number:

87380-4-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

252244D5

Reactivity:

human

Immunogen Catalog Number:

Eg6742

Conjugate:

Unconjugated

Full name:

immunoglobulin heavy constant mu

Gene ID:

3507

Detection Antibody Information

Catalog Number:

87380-3-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

252244H7

Reactivity:

human

GenBank:

BC020240

Immunogen Catalog Number:

Eg6742

Conjugate:

Unconjugated

Full name:

immunoglobulin heavy constant mu

Gene ID:

3507

Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA

Range:

0.312-40 ng/mL (Cytometric Bead Array)
39.1-2500 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

MP02989-1 targets IgM in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Human IgM Recombinant monoclonal antibody, PBS Only (Capture) 87380-4-PBS (252244D5). 100 µg. Concentration 1 mg/mL.

Detection antibody: Human IgM Recombinant monoclonal antibody, PBS Only (Detector) 87380-3-PBS (252244H7). 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.

Storage buffer:

PBS only

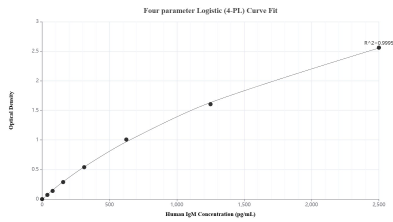
For technical support and original validation data for this product please contact:

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

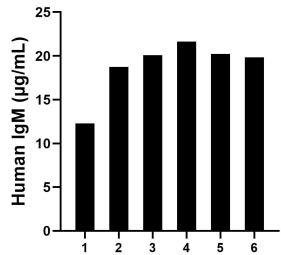
E: proteintech@ptglab.com
W: ptglab.com

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

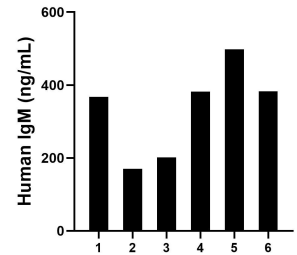
Selected Validation Data



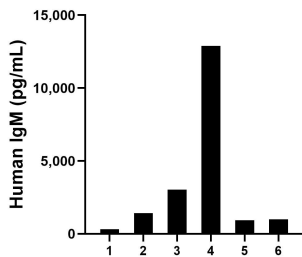
Sandwich ELISA standard curve of MP02989-1, Human IgM Recombinant Matched Antibody Pair - PBS only. 87380-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg6742. 87380-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



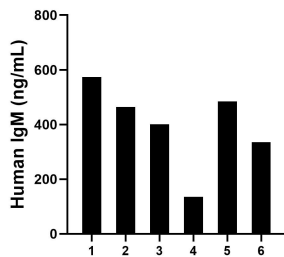
Plasma of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 18.8 µg/mL with a range of 12.3-21.6 µg/mL



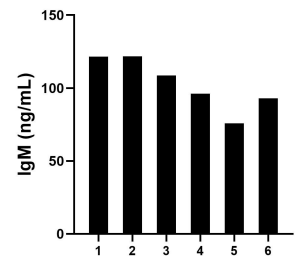
Human milk of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 333.5 ng/mL with a range of 170.0-497.6 ng/mL



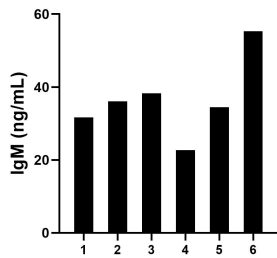
Urine of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 3,260.1 pg/mL with a range of 323.6-12,883.4 pg/mL



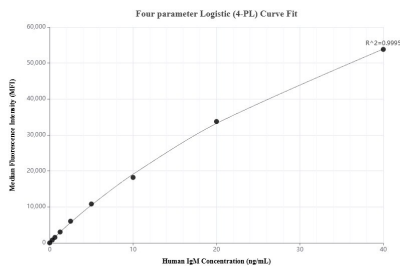
Saliva of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 399.0 ng/mL with a range of 135.7-573.2 ng/mL



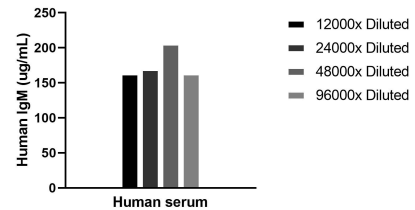
Serum of six mice was measured. The IgM concentration of detected samples was determined to be 102.8 ng/mL with a range of 75.7-121.7 ng/mL



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



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



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