

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
GenBank:
BC020240
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 μ g. Concentration 1 mg/mL.

Detection antibody: Human IgM Recombinant monoclonal antibody, PBS Only (Detector) 87380-3-PBS (252244H7). 100 μ g. 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.

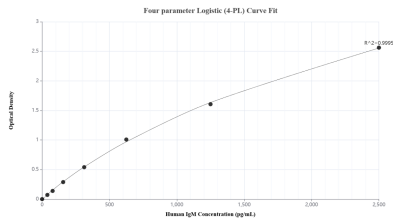
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

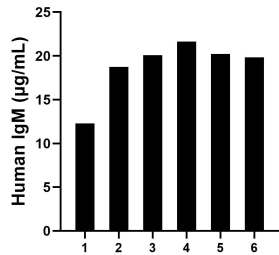
Storage

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

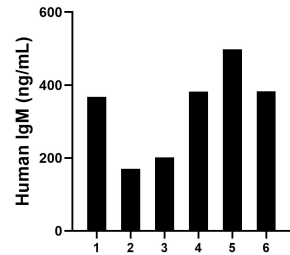
Selected Validation Data



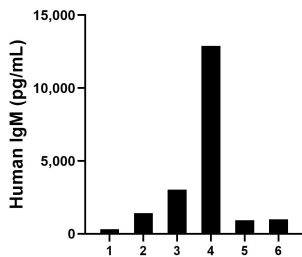
Sandwich ELISA standard curve of MP02989-1, Human IgM Recombinant Matched Antibody Pair - PBS only. 87380-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg6742. 87380-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



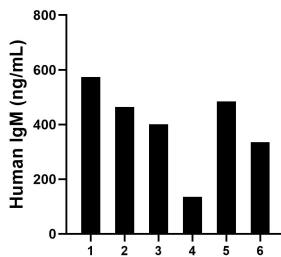
Plasma of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 18.8 µg/mL with a range of 12.3-21.6 µg/mL



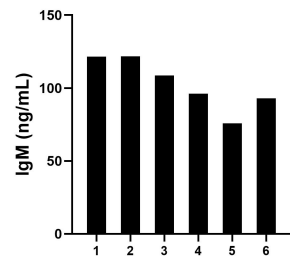
Human milk of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 333.5 ng/mL with a range of 170.0-497.6 ng/mL



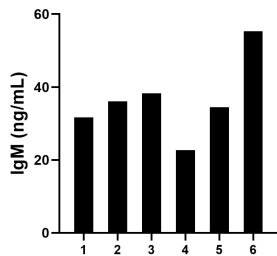
Urine of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 3,260.1 pg/mL with a range of 323.6-12,883.4 pg/mL



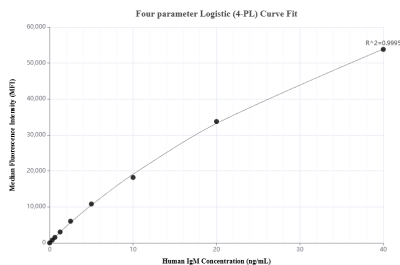
Saliva of six individual healthy human donors was measured. The IgM concentration of detected samples was determined to be 399.0 ng/mL with a range of 135.7-573.2 ng/mL



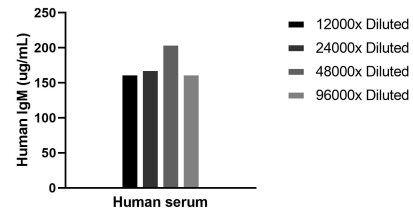
Serum of six mice was measured. The IgM concentration of detected samples was determined to be 102.8 ng/mL with a range of 75.7-121.7 ng/mL



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.