

IgA Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03146-1**

Capture Antibody Information

Catalog Number:
87675-2-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
253017G5

Reactivity:
human

GenBank:

Immunogen Catalog Number:
Eg9190

Conjugate:
Unconjugated

Full name:
immunoglobulin heavy constant alpha 1

Gene ID:
3493

Detection Antibody Information

Catalog Number:
87675-1-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
253017B6

Reactivity:
human

GenBank:

Immunogen Catalog Number:
Eg9190

Conjugate:
Unconjugated

Full name:
immunoglobulin heavy constant alpha 1

Gene ID:
3493

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.156-20 ng/mL (Cytometric Bead Array)
0.78-50 ng/mL (Sandwich ELISA)

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

Product Information

MP03146-1 targets IgA in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Human IgA Recombinant monoclonal antibody, PBS Only (Capture) 87675-2-PBS (253017G5). 100 µg. Concentration 1 mg/mL.

Detection antibody: Human IgA Recombinant monoclonal antibody, PBS Only (Detector) 87675-1-PBS (253017B6). 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.

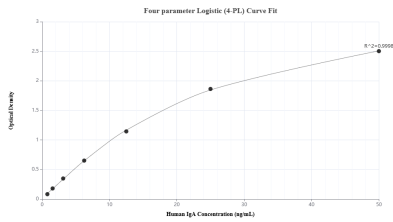
Antibody use should be optimized for each application and assay.

Storage

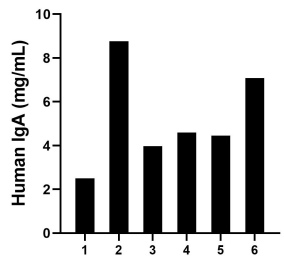
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:
PBS only

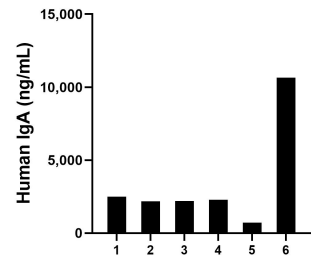
Selected Validation Data



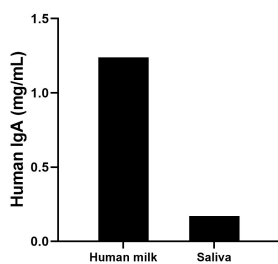
Sandwich ELISA standard curve of MP03146-1, Human IgA Recombinant Matched Antibody Pair - PBS only. 87675-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg9190. 87675-1-PBS was HRP conjugated as the detection antibody. Range: 0.78-50 ng/mL



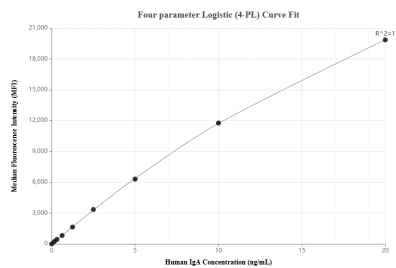
Plasma of six individual healthy human donors was measured. The human IgA concentration of detected samples was determined to be 5.23 mg/mL with a range of 2.50 - 8.77 mg/mL.



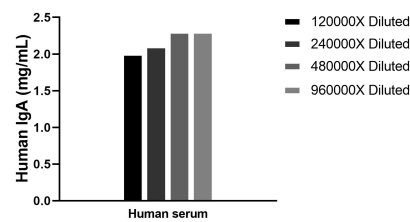
Urine of six individual healthy human donors was measured. The human IgA concentration of detected samples was determined to be 3,420.24 ng/mL with a range of 709.75 - 2,277.36 ng/mL.



The human IgA concentration of detected human milk and saliva was determined to be 1.24 mg/mL and 0.17 mg/mL, respectively.



Cytometric bead array standard curve of MP03146-1, IgA Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87675-2-PBS. Detection antibody: 87675-1-PBS. Standard:Eg9190. Range: 0.156-20 ng/mL.



The mean IgA concentration was determined to be 2.2 mg/mL in human serum.