

For Research Use Only

Human IgA Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87675-2-PBS



Basic Information

Catalog Number:

87675-2-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG9190

GenBank Accession Number:

GeneID (NCBI):

3493

Full Name:

immunoglobulin heavy constant alpha 1

Purification Method:

Protein A purification

CloneNo.:

253017G5

Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:

human

Product Information

87675-2-PBS targets Human IgA as part of a matched antibody pair:

MP03146-1: 87675-2-PBS capture and 87675-1-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

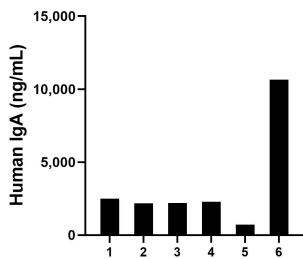
For technical support and original validation data for this product please contact:

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

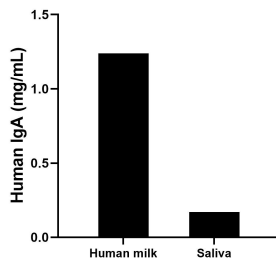
E: proteintech@ptglab.com
W: ptglab.com

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

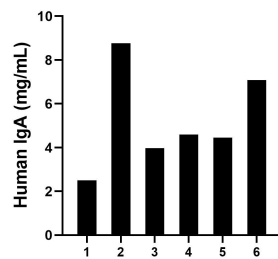
Selected Validation Data



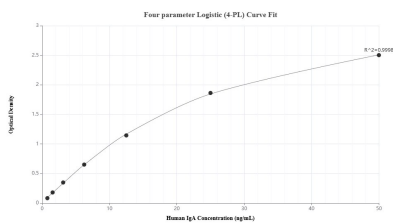
Urine of six individual healthy human donors was measured. The human IgA concentration of detected samples was determined to be 3,420.24 ng/mL with a range of 709.75 - 2,277.36 ng/mL.



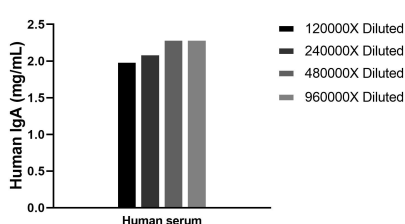
The human IgA concentration of detected human milk and saliva was determined to be 1.24 mg/mL and 0.17 mg/mL, respectively.



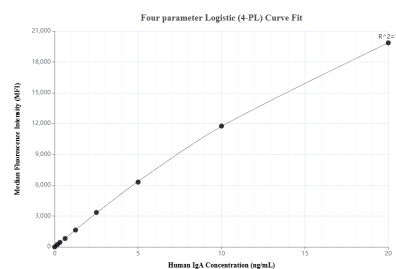
Plasma of six individual healthy human donors was measured. The human IgA concentration of detected samples was determined to be 5.23 mg/mL with a range of 2.50 - 8.77 mg/mL.



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



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



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