

For Research Use Only

Human IgA1 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87606-2-PBS



Basic Information

Catalog Number: 87606-2-PBS	GenBank Accession Number: 3493	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3493	CloneNo.: 252592A1
Source: Rabbit	Full Name: immunoglobulin heavy constant alpha 1	
Isotype: IgG		
Immunogen Catalog Number: EG9190		

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

87606-2-PBS targets Human IgA1 as part of a matched antibody pair:

MP03080-1: 87606-2-PBS capture and 87606-1-PBS detection (validated in Cytometric bead array)

MP03080-2: 87606-2-PBS capture and 87606-4-PBS detection (validated in 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

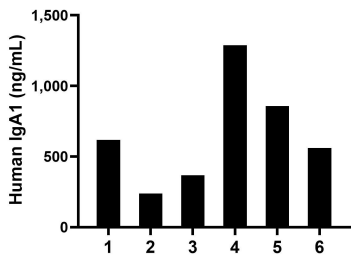
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

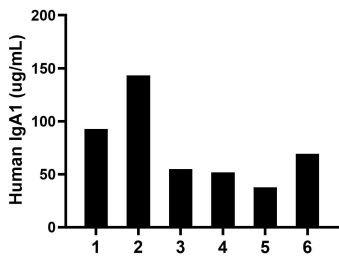
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

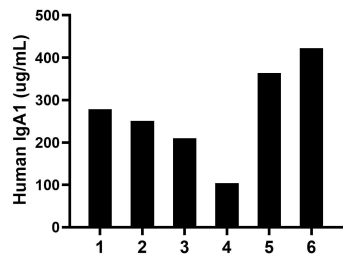
Selected Validation Data



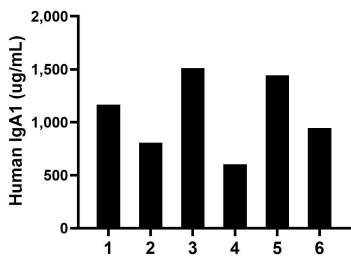
Urine of six individual healthy human donors was measured. The IgA1 concentration of detected samples was determined to be 655.02 ng/mL with a range of 237.36-1,288.59 ng/mL.



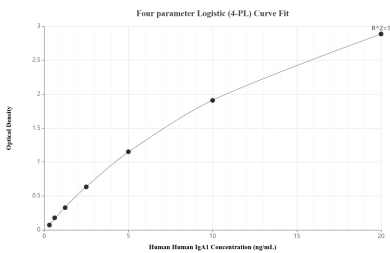
Saliva of six individual healthy human donors was measured. The IgA1 concentration of detected samples was determined to be 74.97 ug/mL with a range of 37.59-143.27 ug/mL.



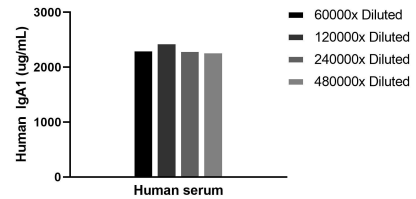
Human milk of six individual healthy human donors was measured. The IgA1 concentration of detected samples was determined to be 271.70 ug/mL with a range of 104.29-422.25 ug/mL.



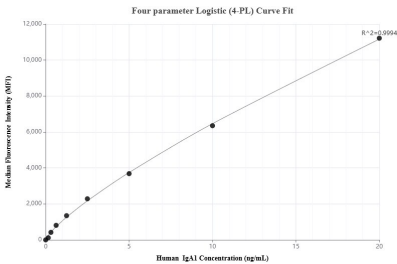
Plasma of six individual healthy human donors was measured. The IgA1 concentration of detected samples was determined to be 1,080.25 ug/mL with a range of 604.90-1,512.65 ug/mL.



Sandwich ELISA standard curve of MP03080-2, Human IgA1 Recombinant Matched Antibody Pair - PBS only. 87606-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg9190. 87606-4-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL.



The mean IgA1 concentration was determined to be 2339.4 ug/mL in human serum.



Cytometric bead array standard curve of MP03080-1, IgA1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87606-2-PBS. Detection antibody: 87606-1-PBS. Standard: Eg9190. Range: 0.156-20 ng/mL.