

For Research Use Only

# Anti-Human IgA1 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98758-3-PBS



## Basic Information

Catalog Number:

98758-3-PBS

Concentration:

1mg, 3 mg/ml

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.:

252592G2

## Applications

Tested Applications:

FC

Species Specificity:

human

## Background Information

Immunoglobulins (Ig), also known as antibodies, are glycoproteins produced by B cells and plasma cells. There are 5 main classes of mammalian immunoglobulin heavy chains. Each class defines the IgM, IgG, IgA, IgD, and IgE isotypes (PMID: 20176268). IgA is the most prevalent antibody class at mucosal sites with an important role in mucosal defense. There are 2 subclasses of IgA, IgA1 and IgA2, which differ over a stretch of 18 amino acids in their hinge region, with the hinge of IgA1 being 13 amino acids longer than that of IgA2 (PMID: 21691145). This antibody specifically recognizes human IgA1 and does not cross-react with IgA2.

## 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, pH7.3

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

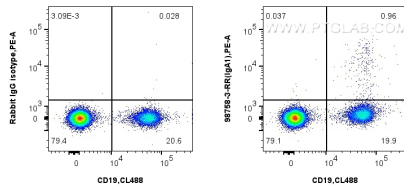
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human IgA1 Rabbit RecAb (98758-3-RR, Clone: 252592G2) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 488 Anti-Mouse CD4 (GK1.5) Rat Recombinant Antibody (CL488-65662, Clone: GK1.5). The cells originate from CD11b-negative cells. Cells were incubated

