

For Research Use Only

Anti-Human IgA1 Rabbit Recombinant Antibody

Catalog Number: 98758-3-RR



Basic Information

Catalog Number:

98758-3-RR

Concentration:

100ug, 1000 µg/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

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl
suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

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 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

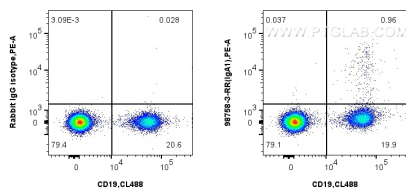
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Selected Validation Data



1x10⁶ 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

