

AR00086PU-N**Human IgA****Alternate names:**

Human Immunoglobulin A

Quantity:

1 mg

Concentration:

2.3 mg/ml (OD280nm)

Background:

Human IgA (immunoglobulin A) is a glycosylated protein of 160 kDa and is produced as a monomer or as a J chain linked dimer. Monomeric IgA constitutes 5-15 % of the serum immunoglobulins whereas dimeric IgA is localized to mucosa surfaces such as saliva, gastrointestinal secretion, bronchial fluids and milk. Mucosal IgA plays a major role in host defence by neutralising infectious agents at mucosal surfaces. The production is usually local and antigen specific IgA producing B cells can be found in regions under the lamina propria where they mature into dimeric IgA producing plasma cells. IgA deficiency is the most common immunodeficiency that may affect both serum and mucosal produced IgA.

Species:

Human

Source:

Plasma, (Human)

Format:**State:** Liquid purified protein**Purity:** >95% pure (SDS-PAGE).

Single arc by IEP against whole human serum and human IgA.

Buffer System: 100mM Tris, pH 8.0 containing 100mM Sodium Chloride and 0.05% Sodium Azide as preservative.**Description:**

Purified Human IgA

Storage:

Store the protein (in aliquots) at -20°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Caution:

Source material supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis with FDA approved test kits. All units were found to be non-reactive/negative for these tests. Nevertheless, all products from human sources should be handled as potentially infectious.