

### 30-2844: Anti-Human IgA MAb (Clone: AD2.947)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	AD2.947
<b>Application :</b>	ELISA,IHC
<b>Reactivity :</b>	Human
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Immunoglobulin A
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	human IgA

#### Description

Specificity: The mouse monoclonal antibody AD2.947 reacts with human IgA1 and IgA2.

Immunoglobulin A (IgA) is the major immunoglobulin class in body secretions that protects against infections of the mucous membranes lining the mouth, airways, and digestive tract. Its serum concentration is approximately 0.2 g/l and biological survival (T1/2 in plasma) 6 days. Plasma IgA is predominantly monomeric (160 kDa) and of the IgA1 subclass, and is mostly produced in the bone marrow. Over half of IgA produced by the intestinal lamina propria plasmocytes is in oligomeric form and 35% of it is IgA2.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).
<b>Content :</b>	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

Figure 1: ELISA analysis of IgA in 1000x diluted human plasma using mouse monoclonal antibodies AD2.947 and AD3 (0.016 - 10  $\mu$ g/ml).