

## Assay Qualification Information

Catalog No.: 53424

### Cynomolgus Macaque IgA Quantification

**SPECIES:** Cynomolgus Macaque (*Macaca fascicularis*)  
**CROSS-REACTIVITY:** Human; does NOT cross react with bovine or porcine  
**METHOD:** Enzyme-linked Immunosorbant Assay (ELISA)

**PERFORMANCE:**

Sensitivity	0.3 mg/mL
Intra-Assay CV	5.8%
Inter-Assay CV	7.3%
Analytical Range	0.3 - 12.5 mg/mL
Recovery Studies	97.7%

**REFERENCE RANGES:** Male = 0.9 - 8.1 mg/mL  
Female = 0.3 - 8.2 mg/mL  
General Population = 0.3 - 8.2 mg/mL

**SPECIMEN REQUIREMENTS:** 0.5 mL Serum

**STABILITY:** 98.6% through 3 freeze/thaw cycles, store at -20°C for up to 1 year

**BACKGROUND:** Monomeric IgA is approximately 160 kDa while dimeric IgA is approximately 400 kDa. The IgA<sub>1</sub> subclass makes up about 93% of the total IgA with the IgA<sub>2</sub> comprising the remaining 7%. Monomeric IgA exists primarily in the serum while dimeric IgA predominates in secretions such as tears, sweat, and mucosal linings. IgA serves as an important defense immunoglobulin in the lungs and gastrointestinal tract.