

ANTIGENIX AMERICA Inc.

## PRODUCT INFORMATION SUMMARY

### Anti-SAA (Serum Amyloid Protein A)

Purified Antibody	(Clone 15)	Product Number MC600320	0.5 mg
Purified Antibody	(Clone 07)	Product Number MC600220	0.5 mg

#### SPECIFICITY:

Human Serum Amyloid Protein A (SAA), is a 104 amino acid polypeptide which is synthesized in the liver and is associated with high density lipoprotein (HDL). The serum level of SAA increases 500-fold or more within one day of an inflammatory response. Human SAA has a molecular weight of 12 kDa.

#### IMMUNOGLOBULIN CHAIN COMPOSITION:

Mouse IgG2a, kappa (clone, 07)  
Mouse IgG1, kappa clone 15

#### SOURCE:

Murine ascites fluid.

#### CLONES:

Derived from hybridization of murine myeloma (SP2/0) cells with spleen cells from BALB/c mice immunized with purified, recombinant human serum amyloid protein A.

**PURIFICATION METHOD:** Protein A affinity chromatography.

#### RESEARCH APPLICATIONS:

Development of quantitative immunoassays ( use clone (15) for coating microplate) ( Matched antibody pair also available)  
Use clone 07 as tracer antibody for ELISA.

Western Blot @ 0.1 - 0.5 ug/mL

Immunoaffinity purification of SAA

Identification of SAA in body fluids and tissue sections.  
Studies of SAA and its role in inflammation, and coronary disease.

**WESTERN BLOT:**

Western Blot reactivity at an antibody concentration of 2.0 ug/mL.  
Detection of 20 ng/lane of rSAA using SDS or heat denatured protein.

**ELISA:**

Use clone 15 as coating antibody at concentration 3 ug/mL.  
Use clone 07 as tracer antibody (must be conjugated to detection molecule (HRP, etc.) - **see also our matched antibody pair.**

Sensitivity of 25 pg/mL has been achieved (culture medium).

**( Matched antibody pair for ELISA also available, see cat # MP600200 )**

**CROSS-REACTIVITY:**

Cross-reactivity with other cytokines, including IL 8, IL 1 Beta, MCAF, and Bovine Serum Albumin was not observed in quality control testing.

**NEUTRALIZING ACTIVITY:**

Not tested.

**HANDLING AND STORAGE:**

Lyophilized, purified monoclonal antibody upon reconstitution with 0.2 ml of distilled water will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4. These preparations should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. Lyophilized reagents should be stored at -20° C until reconstitution. All reagents in a liquid state should be stored at 2-8° C when not in use. Purified anti-SAA is provided free of stabilizing agents and preservatives to facilitate conjugation and immediate use in functional and immunological assays. For long-term storage in liquid state, addition of 0.1% sodium azide or similar preservative is recommended, as suitable for application.

**www.antigenix.com**

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