

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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ANTIGENIX AMERICA Inc.
1-800-558-1008