

PRODUCT INFORMATION SUMMARY

Matched Antibody Pair Anti-Human-SAA (Serum Amyloid A)

PRODUCT No. MP600200

Purified Antibody (CAPTURE)	MP600200C	0.50 mg
Purified Antibody-HRP Conjugate (TRACER)	MP600200T	0.20 mL
Purified Antibody -Biotin Conjugate (TRACER)	MP600200B	0.1 mg

SPECIFICITY:

Human Serum Amyloid A (SAA, is a 12 kDa polypeptide that is associated with the inflammatory response. These murine monoclonal antibodies have been **affinity purified** and react with both native and recombinant SAA molecules and recognize different antigenic determinants.

CLONES: Capture: clone 15; Tracer: clone 07

Derived from hybridization of murine myeloma (SP2/0) cells with spleen cells from BALB/c mice immunized with purified, recombinant human SAA of 12 kDa M.W containing 104 amino acid residues.

GENERAL PROCEDURE:

A laboratory qualified, matched monoclonal antibody pair for ELISA development is provided. One purified antibody for "Capture" and HRP-labelled (or purified, unconjugated see label)"Tracer" antibody, liquid concentrate.

Capture: Reconstitute with 0.5 mL sterile water.

- 1) Further dilute in 0.05M Carbonate buffer, pH 9.5, (or similar coating buffer supplied by customer) to suggested coating concentration of 3-4 ug/mL (0.3 - 0.4 ug/well), (customer may have to optimize). **Note:** reagents contain no preservatives. For long-term storage of unused portion, add suitable preservative (0.1 % sodium azide- to CAPTURE ONLY) or freeze small aliquots and store at -20°C. **tracer should also be stored FROZEN at -20 Deg. C. (conjugate). DO NOT Add sodium azide to HRP-tracer, as this may interfere with HRP reaction!**
- 2) Coat microwells at 100 uL per well, at approx. 3 ug/mL.
- 3) Incubate at 4°C overnight. Wash with 0.01M PBS, Tween-20.

Dry with absorbent paper.

4) Use 200 uL per well coating stabilizer (ANTIGENIX cat. no. EA150 or similar. (ANTIGENIX coating stabilizer stabilizes and blocks in one-step. No blocking step required!) **-note- DO NOT let plate dry, before use of ANTIGENIX coating stabilizer -** see separate data sheet.

5) Incubate at 37°C for 2 hours. Dump contents, dry with absorbent paper.

NOTE: This general procedure is provided as a guideline only. Customer may use similar procedures that are optimized to the customer's requirements.

Tracer: (0.20 mL HRP Conjugate, contains 50% glycerol) or purified (0.5 mg) or Biotin conjugate (0.1 mg/0.1 mL) -see vial label

1) **Spin-down to recover full contents,** then further dilute in appropriate conjugate diluent to optimized concentration **approx. 1:1000 - 1:1500**). The working dilution will vary depending on assay conditions and must be determined by customer. **STORE ALIQUOTS FROZEN. FREEZE CONJUGATE and store at -20 Deg. C. (TRACER).**

2) After samples or standards (100 uL) are added to each microwell, and incubated, washed, etc., according to customer's protocol, dispense approximately 2 drops of diluted conjugate into each microwell, cover and incubate at room temp. for 60 minutes.

3) Wash the plate five times with wash solution. Add 100 uL of TMB (Tetra-Methyl Benzidine) substrate solution, cover and incubate 15 minutes at room temperature. Add 100 uL stop solution to each microwell.

4) Absorbance is read at 450 nm within 30 minutes.

CROSS-REACTIVITY:

Cross-reactivity with other cytokines, including IL 8, IL 1 Beta, MCP-3, and Bovine Serum Albumin was not observed in quality control testing.

PERFORMANCE:

Our lab has achieved sensitivity of approx. 1.1 ng/mL of SAA in serum/plasma and 0.6 ng/mL in medium with assay range 0 - 80 ng/mL.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the product label description.

RESEARCH USE ONLY

NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.

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