



HRP Conjugated Mouse Anti-Human SAA Monoclonal Antibody Datasheet

Product Name: HRP conjugated mAb anti-Human SAA

Clone No.: 607

Catalogue No.: MO-C40028T

Quantity: 0.2 mL/vial

Description: Horseradish peroxidase (HRP) conjugated mouse monoclonal antibody to human serum amyloid A (SAA)

Purification: Protein G affinity purified

Product type: **Tracer** antibody in matched antibody pair, HRP conjugated

Target Protein: Human SAA

Immunogen: Highly purified recombinant human SAA (MW: 12 kDa)

Fusion Myeloma: Sp2/0-Ag14

Specificity: This monoclonal antibody reacts with natural and recombinant human SAA.

Species Reactivity: Human, others not tested

Cross-Reactivity: Does not show any cross-reaction with other human cytokines or growth factors tested such as IL-1 β , IL-8, MCAF, TGF- β and EGF.

Host / Isotype: Mouse, IgG2a Kappa

Storage Buffer Formulation: Mixture of 50% glycerol and 50% PH7.2 0.01M PBS. Final PH = 7.0 \pm 0.1.

Storage: Store at -20 $^{\circ}$ C

Research Area: Acute phase protein, Inflammatory reaction

Background: SAA is an acute phase protein and a sensitive inflammatory marker. Cytokines such as IL-1, IL-6 and TNF-alpha stimulates hepatocytes to produce and release SAA. In acute phase, SAA in blood can increase to more than 1,000 folds of normal level. Prolonged and repeated elevation of SAA results in abnormal deposition of amyloid proteins in organ or tissue in insoluble beta pleated form. Determination of SAA levels is important for assessment of renal allograft rejection, estimation of tissue damage caused by myocardial infarction and severe angina, and diagnosis of inflammation in cystic fibrosis patients and in patients infected with virus.

Applications: **ELISA:** This HRP conjugated antibody can be used as a detection antibody in sandwich ELISA applications for human SAA detection in combination with a capture antibody (Clone 115, Cat. No.: C40028A)

References: Clin Chim Acta. 2007 Feb; 376(1-2):72-6. Establishment of an in-house ELISA and the reference range for serum amyloid A (SAA): complementarity between SAA and C-reactive protein as markers of inflammation. Wu TL, I Chen Tsai, Chang PY, Tsao KC, Sun CF, Wu LL, Wu JT.

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