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Mouse Anti-Human SAA Monoclonal Antibody Datasheet

Product Name: mAb anti-Human SAA

Clone No.: 513

Catalogue No.: MO-C40028D

Quantity: 0.5 mg /vial

Description: Mouse monoclonal antibody to human serum amyloid A (SAA)

Purification: Protein G affinity purified

Product type: Primary antibody

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, IgG1 Kappa

Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2

Reconstitution: Double distilled water is recommended to reconstitute the antibody.

Storage: Store at -20°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:** React with human SAA

Western Blot: The antibody, when used at concentration of 0.1-0.5 μ g/mL will allow visualization of 100ng/lane of recombinant human SAA.

References: Ranjeeta Hari-Dass et al. [Serum Amyloid A Protein Binds to Outer Membrane Protein A of Gram-negative Bacteria.](#) May 13, 2005 The Journal of Biological Chemistry, 280, 18562-18567.

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