

Product specifications

| | |
|-------------------------|---|
| Name | Anti-h SAA 2205 SPTN-5 |
| Specificity | Antibody recognizes human serum amyloid A (SAA) |
| Description | Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components. |
| Product code | 100802 |
| Product buffer solution | 50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative |
| Shelf life and storage | Unspecified, storage at 2–8 °C |
| Subclass | IgG ₁ |
| Analyte description | Serum amyloid A, a family of apolipoproteins, is associated with high density lipoprotein during inflammatory states. The level of serum amyloid A (SAA) in the blood increases dramatically in response to tissue injury and inflammation. SAA also acts as a cytokine, influencing cell adhesion, migration, proliferation and aggregation. SAAs are implicated in several chronic inflammatory diseases, such as amyloidosis, atherosclerosis, and rheumatoid arthritis. |

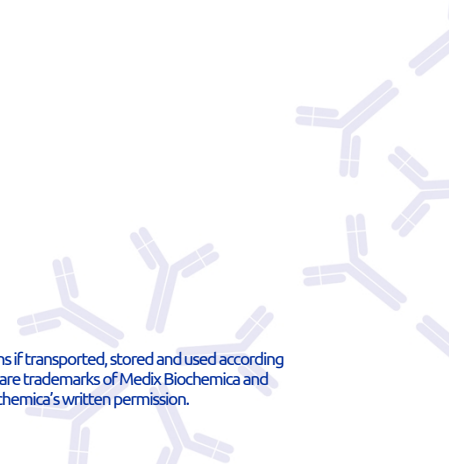
Parameters tested on each lot

| | |
|-----------------------|--|
| Product appearance | Liquid, may turn slightly opaque during storage |
| Product concentration | 5.0 mg/ml (+/- 10 %) |
| Immunoreactivity | 80–120 % compared to the reference sample in an FIA test |
| IEF Profile | 6.7 – 7.2 |
| Purity | ≥ 95 % |

Kinetic parameters

| | |
|----------------------------|----------------------|
| Association rate constant | Not Determined (N/D) |
| Dissociation rate constant | N/D |
| Affinity constant | N/D |
| Determination method | - |
| Determination antigen | - |

Legal disclaimer



Cross-reactivities Recognizes human SAA1.
Does not recognize human SAA2, human SAA4, feline, canine, equine or bovine SAA.

Epitope Recognizes aa 64-71 but also reacts with aa 28-38 indicating that the epitope may be partly conformational.

Pair recommendations

| | | DETECTION | | | | | | | |
|---------|------|-----------|------|------|------|------|------|------|------|
| | | 2201 | 2203 | 2205 | 2208 | 2209 | 2211 | 2212 | 2213 |
| CAPTURE | 2201 | - | + | + | - | - | + | - | - |
| | 2203 | + | - | + | - | + | + | - | + |
| | 2205 | - | - | - | - | - | + | + | - |
| | 2208 | - | - | - | - | - | - | + | - |
| | 2209 | - | + | - | - | - | + | - | - |
| | 2211 | + | - | - | - | + | - | - | - |
| | 2212 | - | - | + | + | - | - | - | - |
| | 2213 | - | - | - | - | - | - | - | - |

Following pairs are especially recommended for the below mentioned assays:

FIA: 2205 (capture) – 2212 (detection), 2208 – 2212

LF: 2201 (membrane) – 2203 (particles), 2203 – 2201

IT: 2201 – 2211, 2201 – 2203, 2209 – 2211

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Platforms tested FIA, LF, IT

Antigens tested Native human SAA, EastCoast Bio cat LA449, recombinant human SAA, Medix Biochemica cat 610070 and Lee Biosolutions cat 527-18.

| Product stability | TEMPERATURE, TIME | RESULT |
|-------------------|-------------------|--------|
| | -70 °C, 21 days | OK |
| | -20 °C, 21 days | OK |
| | +4 °C, 21 days | OK |
| | +35 °C, 21 days | OK |
| | +45 °C, 7 days | OK |

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous -

References -

