

## Product datasheet for **TA814064**

### Serum Amyloid A (SAA1) Mouse Monoclonal Antibody [Clone ID: OTI4A7]

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI4A7  |
| Applications:           | ELISA   |
| Recommended Dilution:   | ELISA 1:5000-10000  |
| Reactivity:             | Human   |
| Host:                   | Mouse   |
| Isotype:                | IgG1  |
| Clonality:              | Monoclonal  |
| Immunogen:              | Human recombinant protein fragment corresponding to amino acids 19-122 of human SAA (NP_954630) produced in E.coli. |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.  |
| Concentration:          | 1 mg/ml   |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)           |
| Conjugation:            | Unconjugated  |
| Predicted Protein Size: | 13.5 kDa  |
| Gene Name:              | serum amyloid A1  |
| Database Link:          | <a href="#">NP_954630</a><br><a href="#">Entrez Gene 6288 Human</a><br><a href="#">P0DJ18</a>                       |



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**Background:**

This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein is a major acute phase protein that is highly expressed in response to inflammation and tissue injury. This protein also plays an important role in HDL metabolism and cholesterol homeostasis. High levels of this protein are associated with chronic inflammatory diseases including atherosclerosis, rheumatoid arthritis, Alzheimer's disease and Crohn's disease. This protein may also be a potential biomarker for certain tumors. Alternate splicing results in multiple transcript variants that encode the same protein. A pseudogene of this gene is found on chromosome 11. [provided by RefSeq, Feb 2016]

**Synonyms:**

PIG4; SAA; SAA2; TP53I4