

**CATALOGUE #:** 8CS4

**PRODUCT NAME:** Recombinant canine serum amyloid A (SAA)

<b>Source:</b>	Expressed in <i>E.coli</i>
<b>Description:</b>	Recombinant SAA consists of 121 amino acids and has a predicted molecular mass of 13766 kDa. Consists of a polypeptide corresponding to 1-111 a.a.r. of canine SAA and a proprietary 10 a.a.r. affinity tag on the N-terminus.
<b>Applications:</b>	Can be used as a control in immunoassays.
<b>Analysis:</b>	Purity >95 % (Tricine-SDS-PAGE). Concentration is determined spectrophotometrically
<b>Purification:</b>	Affinity and reversed-phase chromatography
<b>Presentation:</b>	Lyophilized from 0.01 M HCl (pH 2.0) It is recommended to reconstitute this product with 0.01 M HCl (pH 2.0) to 0.1-1 mg/ml concentration.
<b>Storage:</b>	Lyophilized -20°C (-15 ... -30 °C allowed) Reconstituted -70°C (-65 ... -80 °C allowed)
<b>Other information:</b>	Avoid repeated freezing and thawing. It is recommended to aliquot the product after reconstitution.  To prepare diluted samples of SAA it is recommended to use buffer solutions containing a detergent. The selection of an appropriate detergent and its concentration is essential for the assay performance.  For sandwich immunoassays using monoclonal anti-SAA antibodies SAA19, SAA21 and VSA34 we recommend using 0.01% CHAPS in antigen dilution buffer (e.g. 0.05 M Tris-HCl, pH 8.0, 0.15 M NaCl, 0.01 % CHAPS).  For sandwich immunoassays using monoclonal anti-SAA antibodies VSA6, VSA25, VSA31, VSA38, VSA2, and VSA43 we recommend using 0.05 % Tween 20 in antigen dilution buffer (e.g. 0.02 M Tris-HCl, pH 7.5, 0.15 M NaCl, 0.05 % Tween 20).
<b>Material safety note:</b>	This product is sold <b>for research or further manufacturing use only</b> . Standard Laboratory Practices should be followed when handling this material.