

Canine S100A9/MRP14 Protein

Cat. No. SA9-DE101

Description

Source	Recombinant Canine S100A9/MRP14 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Met1-His130.
Accession	XP_038528057.1
Molecular Weight	The protein has a predicted MW of 15.90 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 90% as determined by HPLC

Formulation and Storage

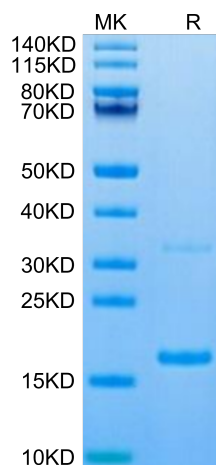
Formulation	Supplied as 0.22µm filtered solution in PBS, 1mM DTT, 10% Glycerol (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

S100A8 and S100A9 (also known as MRP8 and MRP14, respectively) are Ca²⁺ binding proteins belonging to the S100 family. They often exist in the form of heterodimer, while homodimer exists very little because of the stability. S100A8/A9 is constitutively expressed in neutrophils and monocytes as a Ca²⁺ sensor, participating in cytoskeleton rearrangement and arachidonic acid metabolism.

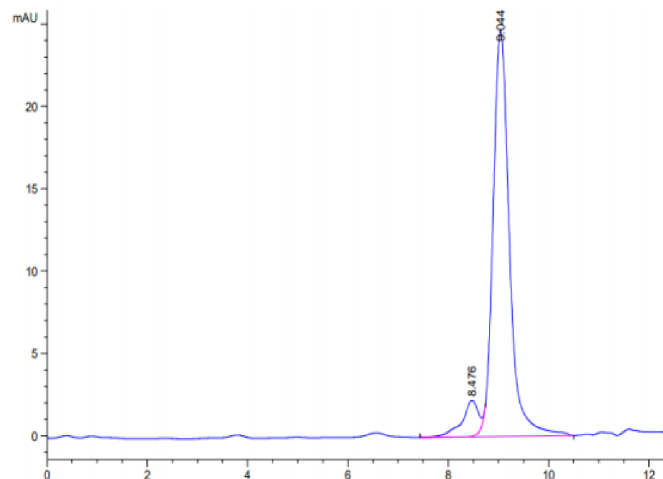
Assay Data

Tris-Bis PAGE



Canine S100A9 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Canine S100A9 is greater than 90% as determined by SEC-HPLC.