

# Mouse S100A9/MRP14 Protein

Cat. No. SA9-ME101

## Description

<b>Source</b>	Recombinant Mouse S100A9/MRP14 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Ala2-Lys113.
<b>Accession</b>	P31725
<b>Molecular Weight</b>	The protein has a predicted MW of 14.1 kDa same as Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS, 1mM DTT, 20% Glycerol (pH 7.5).
<b>Storage</b>	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 Ca<sup>2+</sup> 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 Ca<sup>2+</sup> sensor, participating in cytoskeleton rearrangement and arachidonic acid metabolism.

## Assay Data

### Bis-Tris PAGE



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