



## Product Data Sheet

□ Cat # RP-775

Recombinant Human S100A4

Size: □ 2 ug

S100 belongs to the family of calcium binding proteins such as calmodulin and troponin C. S100A is composed of an alpha and beta chain whereas S100B is composed of two beta chains. S100 protein is also expressed in the antigen presenting cells such as the Langerhans cells in skin and interdigitating reticulum cells in the para cortex of lymph nodes.

Protein S100-A4 is a protein that in humans is encoded by the S100A4 gene. 100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified.

S100A4 alternate names: Protein S100-A4, S100 calcium-binding protein A4, Metastasin, Protein Mts1, Placental calcium-binding protein, Calvasculin, S100A4, CAPL, MTS1, 42A, 18A2, FSP1, P9KA, PEL98.

### **Form & Storage**

Human S100A4 recombinant full length human S100A4 protein expressed in E.coli as GSt tag and purified (>95%). It is supplied 10µg/100µl (or see lot sp. conc on the vial) purified human S100A4 protein at 0.1 mg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

### **APPLICATION AND SUGGESTED DILUTIONS:**

ELISA · Inhibition Assays  
Western Blotting

This item is for LABORATORY RESEARCH USE ONLY.

References: Stoler A (1985) PNAS 82, 570-574; Rual J-F (2005) Nature 437, 1173-1178; Wang G (2000) JBC 275, 11141-11146

### **Related Items**

Catalog#	ProdDescription
MA-20119	Mouse Monoclonal Anti-Human S100 calcium binding protein A1 (S100A1)
MA-20120	Mouse Monoclonal Anti-Human S100 calcium binding protein A1 (S100A10/P11)
MA-20154	Mouse Monoclonal Anti-Human S100 calcium binding protein B (S100B)

RP-774	Recombinant Human S100b
RP-775	Recombinant Human S100A4
RP-821	Recombinant Human S100A1
RP-838	Recombinant Human S100A10
RP-839	Recombinant Human S100A11
RP-873	Recombinant Human S100P
RP-874	Recombinant Human S100Z

S1001-A Anti-Bovine S100 IgG # 1, aff pure

S1001-C Purified, Bovine S100 protein control for WB

S1001-R-200 Purified, Bovine S100 protein for ELISA or Standards

S1002-C Purified, Human S100 protein control for WB

S1002-R-100 Purified, Human S100 protein for ELISA or Standards

S1005-C Purified Bovine S100 alpha control protein for WB in sample buffer

S1005-M Monoclonal Anti-Bovine S100 alpha ab # 2, ascites

S1008-C Purified Bovine S100 beta control protein for WB in sample buffer

S1008-M Monoclonal Anti-Bovine S100 beta ab # 3, ascites

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