

Datasheet for ABIN934691 **S100A1 Protein**



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Overview

Quantity:	100 µg
Target:	S100A1
Origin:	Human
Source:	Human
Protein Type:	Native

Product Details

Characteristics:	Purified native Human S100 beta beta and alpha beta S100 protein (homo/heterodimer) Protein Source: Human brain tissue
Purity:	> 98 % pure

Target Details

Target:	S100A1
Alternative Name:	S100 (S100A1 Products)
Background:	<p>S-100 protein is a family of low molecular weight protein found in vertebrates characterized by two calcium binding sites of the helix-loop-helix conformation. There are at least 21 different types of S100 proteins. which are involved in regulation of protein phosphorylation, transcription factors, Ca⁺⁺ homeostasis, the dynamics of cytoskeleton constituents, enzyme activities, cell growth and differentiation, and the inflammatory response.</p> <p>Description: Human brain tissue.</p> <p>Alternative Names: S-100, S-100 BB Protein, S-100 Protein, S 100, S100, S-100 protein, S 100 protein</p>

Target Details

Pathways: [Regulation of Muscle Cell Differentiation, Toll-Like Receptors Cascades, S100 Proteins](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Comment: S100 protein is suitable for use as a standard in immunoassays, as an immunogen for antiserum production and tracer for iodination.

Restrictions: For Research Use only

Handling

Reconstitution: Reconstitute with 5 mM 2-mercaptoethanol.

Buffer: Lyophilised from 5 mM Tris-HCl, pH 7.5 with 5 M 2-mercaptoethanol and 5 M EDTA.

Precaution of Use: Donor samples were tested and found to be negative for HBsAg, HIV-1 and HIV-2 antibodies, HCV, and syphilis. Nonetheless caution should be used when handling this material as there is a margin of error in all tests.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Aliquot and store at -20 °C.