

CATALOGUE #: 8S9b

PRODUCT NAME: S100BB homodimer and S100A1B heterodimer, bovine

Source: Bovine brain tissue.

Applications: Because of its predominant location in astroglial cells S100 proteins can be used as sensitive and reliable marker for central nervous system injury. Structural damage of glial cells causes leakage of S100 proteins into the extracellular matrix and into cerebrospinal fluid, further releasing into the bloodstream.

S100 proteins are suitable for use as standards in immunoassay and as immunogens for antiserum production.

Analysis: Purity > 95 %. After native gel electrophoresis by Ornstein-Davis S100 proteins are presented by two bands corresponding to A1B- and BB-forms.

S100 proteins concentrations are determined by Lowry method using BSA as a standard.

Presentation: Lyophilized from 5 mM Tris-HCl, pH 7.5 with 5 mM 2-mercaptoethanol and 5 mM EDTA.

It is recommended to reconstitute this product with deionized water, containing 5 mM 2-mercaptoethanol, to its initial concentration.

Storage: Lyophilized and reconstituted at -20 °C (-15 ... -30 °C allowed)

Material safety note: This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.