## **Datasheet**

Blood coagulation and Anemia • Bone Metabolism • Cardiac Markers • Fertility and Pregnancy Gangliosides • Hormone Markers • Immunology and Serology • Infectious Diseases • Inflammation Kidney Diseases • Metabolic Syndrome • Microbial and Plant Toxins • Miscellaneous • Neuroscience Thyroid Diseases • Tumor Markers • Veterinary

CATALOGUE #: 8S9b

PRODUCT NAME: \$100BB homodimer and \$100A1B 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 This product is sold for research or further manufacturing use only. Standard Laboratory Practices

**safety note:** should be followed when handling this material.

