

## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** A86809H **Lot #:** 7F18122

**Description:** Human Brain S-100 Protein

S-100 protein derived from brain tissue is an acidic calcium-binding protein with the molecular weight of about 21 kDa. In human brain tissue S-100 protein is mainly presented by two isoforms, beta-beta homodimer (S-100b) and alpha-beta heterodimer (S-100a).

**Source:** Human Brain Tissue

**Format:** Purified, Lyophilized  
Reconstitute in 5 mM 2-Mercaptoethanol solution.

**Purification:** > 95% pure (native electrophoresis in presence of 2 mM EGTA).

**Concentration:** N/A mg/mL

**Buffer:** Lyophilized from 5 mM Tris-HCl, pH 7.5 containing 5 mM 2-Mercaptoethanol and 5 mM EDTA.

**Preservative:** None

**Applications:** Suitable for use as a standard in Immunoassay, as an immunogen for antiserum production and tracer for iodination. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Store at -20°C. Avoid multiple freeze/thaw cycles.

**Inactivation:** Not Applicable

**Safety Note(s):** Refer to the appropriate Safety Data Sheets (SDS) for additional information.

Quality Signature:



01 Jul 2022

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**