

## Product Datasheet

**Name:** Mouse Anti-S100 beta (S100B) Monoclonal Antibody

**Description:** Hybridoma clones have been derived from hybridization of myeloma cells with spleen cells of BALB/c mouse immunized with recombinant human S100B.

Catalog No.	Isotype	Unit	Usage	Buffer
V2501	IgG1	mg	Capture	10mM PBS (pH7.4)

**Specificity:** Mabs react with antigen human S100B

**Host:** Mouse

**Clonality:** Monoclonal

**Format:** Liquid

**Concentration:** ≥1mg/ml

**Purification:** ≥90% (SDS-PAGE)

**Preservative:** 0.1%Proclin300

**Application:** Recommended for sandwich immunoassays in ELISA and CLIA. Each laboratory should determine an optimum working titer for use in its particular application.

Best pairs for cTnI complex immunodetection (capture-detection):

Capture antibody: V2501

Detection antibody: V2502

**Storage:** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Background:** S100 beta is a member of the S100 family of proteins containing 2 EF-hand calcium binding motifs. This protein may function in neurite extension, proliferation of melanoma cells, stimulation of Ca<sup>2+</sup> fluxes, inhibition of PKC mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy, amyotrophic lateral sclerosis, melanoma, and type I diabetes.

**Note:** This product as supplied is intended for research or further manufacturing use only.