



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### S100B (Human) ELISA Kit

**Catalog Number:** KA0037

**Regulatory Status:** For research use only (RUO)

**Product Description:** S100B (Human) ELISA Kit is a HRP labelled antibody based sandwich enzyme immunoassay for the quantitative measurement of human S100B protein just only for serum samples, heparin plasma samples and cerebrospinal fluid samples.

**Calibration Range:** 10 to 320 pg/mL

**Suitable Sample:** Cerebrospinal Fluid, Serum

**Sample Volume:** 100 uL

**Label:** HRP-conjugate

**Detection Method:** Colorimetric

**Regulation Status:** For research use only (RUO)

**Reactivity:**

Bovine,Cat,Goat,Hamster,Human,Rabbit,Rat

**Applications:** Quant

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Storage Instruction:** Store the kit at 4°C.

**Entrez GeneID:** 6285

**Gene Symbol:** S100B

**Gene Alias:** NEF, S100, S100beta

**Gene Summary:** The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and

differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 21q22.3. 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. [provided by RefSeq]

**References:**

1. Neurofilament light is a biomarker of brain involvement in lupus and primary Sjogren's syndrome. Anne B Tjensvoll, Maria B Lauvsnes, Henrik Zetterberg, Jan T Kvaloy, Ingeborg Kvivik, Stian S Maroni, Ole J Greve, Mona K Beyer, Shunsei Hirohata, Chaim Putterman, Guido Alves, Erna Harboe, Kaj Blennow, Lasse G Goransson, Roald Omdal. *J Neurol.* 2021 Apr;268(4):1385-1394. doi: 10.1007/s00415-020-10290-y. Epub 2020 Oct 30.
2. Rapid optofluidic detection of biomarkers for traumatic brain injury via surface-enhanced Raman spectroscopy. Rickard JJS, Di-Pietro V, Smith DJ, Davies DJ, Belli A, Oppenheimer PG. *Nat Biomed Eng.* 2020 Feb 3. doi: 10.1038/s41551-019-0510-4. [Epub ahead of print]
3. S-100? in chronic subdural haematoma: Prospective cohort study. Thomas PAW, Moffatt CE, Rudd D, Marshman LAG. *J Clin Neurosci.* 2019 Sep;67:145-150. doi: 10.1016/j.jocn.2019.05.058. Epub 2019 Jun 12.