

Anti-Human S100B Antibody (6U606)

Product Details

Ig Type:	IgG1
Reactivity:	Human
Molecular Weight:	Theoretical: 10 kDa.
Clone:	6U606
Purification:	Protein A purified

Applications

1. Measured by its binding ability in a indirect ELISA. Immobilized Human S100B, His Tag at 2 µg/mL (100 µL/well) can bind Anti-Human S100B monoclonal antibody, the minimum detection concentration is 0.2 ng/mL

2. Sample:

Verified Activity:	Lane 1: Recombinant human S100B protein, N-His Primary: Anti-Human S100B (TMAB-07450) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 10 kDa Observed band size: 10 kDa
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Application: ELISA

Recommended ELISA=1:5000-10000

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human S100B protein
Antigen Species:	Human
Gene ID:	6285
Uniprot ID:	P04271

Research Background

S100 beta 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 Ca²⁺ 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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