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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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S100B monoclonal antibody (M53), clone 2A11

Catalog # : H00006285-M53

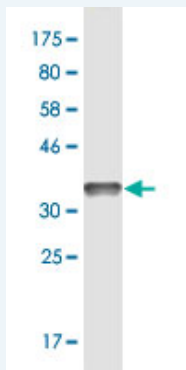
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a full-length recombinant S100B.
Immunogen:	S100B (NP_006263.1, 1 a.a. ~ 92 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MSELEKAMVALIDVFHQYSGREGDKHKLKSELKELINNELSHFLEEIQE EVDKVMETLDNDGDGECDFQEFMAFVAMVTTACHEFFEHE
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (35.86 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

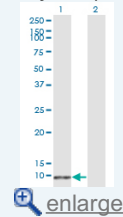
Datasheet: [Download](#)

Applications

Western Blot (Transfected lysate)

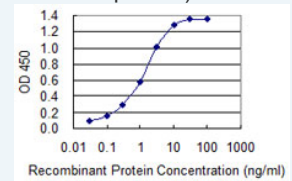
Application Image

Western Blot (Transfected lysate)



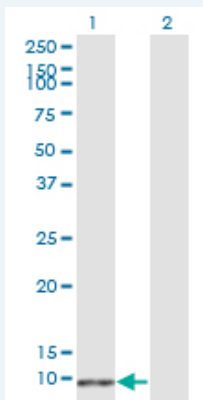
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



Western Blot analysis of S100B expression in transfected 293T cell line by S100B monoclonal antibody (M53), clone 2A11.

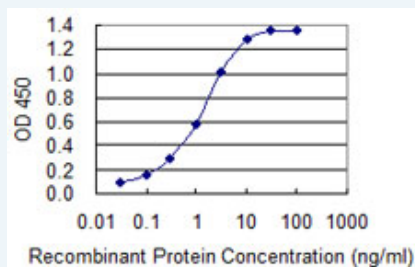
Lane 1: S100B transfected lysate(10.7 KDa).
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged S100B is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [6285](#)

GeneBank [NM_006272.1](#)

Accession#:

Protein [NP_006263.1](#)

Accession#:

Gene Name: S100B

Gene Alias: NEF,S100,S100beta

Gene Description: S100 calcium binding protein B

Description:

Omim ID: [176990](#)

Gene Ontology: [Hyperlink](#)

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 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. [provided by RefSeq]

Other Designations: OTTHUMP00000174958,S-100 calcium-binding protein, beta chain,S100 beta,S100 calcium binding protein, beta (neural),S100 calcium-binding protein, beta,S100 calcium-binding protein, beta (neural)

Related Disease

[Alzheimer disease](#) [Bipolar Disorder](#) [Cognition Disorders](#) [Dementia](#)
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