

bsm-41680M**[Primary Antibody]****BioSS**
ANTIBODIES

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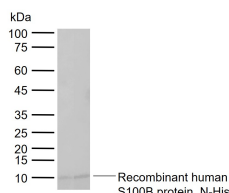
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Human S100B Mouse mAb**— DATASHEET —**

Host: Mouse	Isotype: IgG1	Applications: WB (1:500-2000) ELISA (1:5000-10000)
Clonality: Monoclonal	CloneNo.: 7F3	
GeneID: 6285	SWISS: P04271	
Target: Human S100B		
Immunogen: Recombinant human S100B protein: 1-92/92.		
Purification: affinity purified by Protein A		Reactivity: Human
Storage: Size : 100ug 0.01M PBS (pH7.4). Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Predicted MW.: 10 kDa
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 Ca ²⁺ 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.		Subcellular Location: Cytoplasm ,Nucleus

— VALIDATION IMAGES —

Sample: Lane 1: Recombinant human S100B protein, N-His
Primary: Anti-Human S100B (bsm-41680M) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 10 kDa
Observed band size: 10 kDa