

产品概述

产品名 (Product Name)	Anti S100B mouse monoclonal antibody
货号 (Catalog No.)	ATMA10111Mo
种类 (Category)	Primary antibody
宿主 (Host)	Mouse
反应种属 (Species specificity)	Homo sapiens (Human)
克隆性 (Clonality)	Monoclonal
克隆编号 (Clone No.)	5A1
偶连物 (Conjugation)	Unconjugated
免疫原 (Immunogen)	Recombinant protein of human S100B
别名	S100B, Protein S100-B, S-100 protein beta chain, S-100 protein subunit beta, S100 calcium-binding protein B
Uniprot ID	P04271

产品性能

状态 (Form)	Liquid
储存溶液 (Buffer)	Supplied as solution form in PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
存放条件 (Storage)	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4 °C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
浓度 (Concentration)	0.5mg/ml
亚型 (Isotype)	IgG1
分子量 (MW)	11kDa
纯化方式 (Purity)	Protein G purified from mice ascites

应用

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产品背景

S100B is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs and has been implicated in the regulation of cellular activities such as metabolism, motility and proliferation. In the nervous system, S100B is constitutively released by astrocytes into the extracellular space and at nanomolar concentrations, it can promote neurite outgrowth and protect neurons against oxidative stress. Within the central nervous system (CNS), S100B is thought to be a marker for astroglial activation, linking astrocyte dysfunction to schizophrenia. In addition to astrocytes, S100B is released from many cell types, such as, adipocytes, chondrocytes, cardiomyocytes and lymphocytes. Serum S100B represents a new biomarker for mood disorders.

