BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-S-100(Beta-subunit) S100b Antibody (Monoclonal, SH-B1)

**Catalog Number:** MA1088

## About S100b

S100 protein is a 21,000-Da component first isolated from brain by Moore (1965). Immunocytochemical studies demonstrated that S100 protein is produced by a wide variety of normal and neoplastic cells of mesodermal, neuroectodermal, and epithelial origin (Herrera et al., 1988). The S100 molecule is a dimer; thus there are 3 forms of S100: alpha-alpha, known as S-100a (0); alpha-beta, known as S-100a; and beta-beta, known as S-100b. S100 genes are clustered on human chromosome 1q21. S-100 protein expression by primary and metastatic adenocarcinomas.

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## Overview

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|---|---|
| Product Name | Anti-S-100(Beta-subunit) S100b Antibody (Monoclonal, SH-B1) |
| Reactive Species | Human, Rabbit, Rat |
| Description | Boster Bio Anti-S-100 (Beta-subunit) S100b Antibody (Monoclonal, SH-B1) catalog # MA1088. Tested in IHC applications. This antibody reacts with Human, Rabbit, Rat. |
| Application | IHC |
| Clonality | Monoclonal SH-B1 |
| Formulation | Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN3. |
| Storage Instructions | Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles. |
| Host | Mouse |
| Uniprot ID | P04631 |

## Technical Details

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| Immunogen | Bovine brain S-100b. |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P). |
| Cross Reactivity | No cross-reactivity with other proteins |

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|---|---|
| Isotype | Mouse IgG1 |
| Form | Lyophilized |
| Concentration | Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml. |
| Purification | Ascites |
| Suggested Dilutions | Immunohistochemistry (Paraffin-embedded Section), 1-2ug/ml, Human, rabbit, rat |

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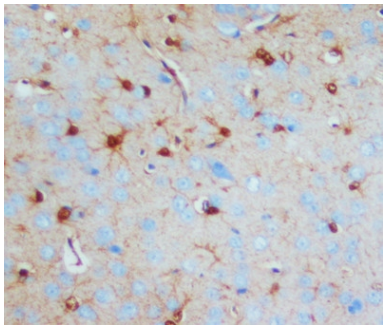
# Anti-S-100(Beta-subunit) S100b Antibody (Monoclonal, SH-B1) (MA1088) Images



Anti-S-100(beta-subunit) antibody (monoclonal), MA1088,
IHC(P)IHC(P): Rat Brain Tissue Lysate

## 38 Publications Citing This Product

1. PubMed ID: 16586547, Xie Zj, Jia Lm, He Yc, Gao Jt. World J Gastroenterol. 2006 Mar 21;12(11):1757-60. Morphological Observation Of Tumor Infiltrating Immunocytes In Human Rectal Cancer.

2. PubMed ID: 23346371, Huang J, Zhu C, Zhang P, Zhu Q, Liu Y, Zhu Z, Wang M, Li W, Yang G, Dong N, Liu J, Chen L, Zhang Y, Yang R, Deng L, Fan J, Wang X, Liu J, Ma B, Fu Q, Wu K. Sci Rep. 2013;3:1114. Doi: 10.1038/Srep01114. Epub 2013 Jan 23. S100+ Cells: A New Neuro-Im...

3. PubMed ID: 25209741, Liu S, Zhang Y, Zhao Y, Cui H, Cao C, Guo J. Cell Biochem Biophys. 2015 Jan;71(1):401-6. Doi: 10.1007/S12013-014-0212-1. Effects Of Hypothermia On S100B And Glial Fibrillary Acidic Protein In Asphyxia Rats After Cardiopulmonary Resuscitation.

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