## bsm-63045R

## [ Primary Antibody ]

# Bioss

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# S100A1 Recombinant Rabbit mAb

- DATASHEET -

Host: Rabbit Isotype: IgG
Clonality: Recombinant CloneNo.: 2H14
GeneID: 6271 SWISS: P23297

Target: S100A1

Immunogen: A synthesized peptide derived from human S100A1: 1-40.

Purification: affinity purified by Protein A

**Storage:** 10mM phosphate buffered saline, pH 7.4, 150mM sodium chloride,

0.05% BSA, 0.02% Proclin300 and 50% glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

**Background:** 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. This protein may function in stimulation of Ca2+-induced Ca2+ release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies. [provided by

RefSeq, Jul 2008]

**Applications: WB** (1:500-2000)

IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

Reactivity: Human, Mouse, Rat

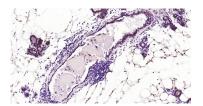
Predicted MW.: 11 kDa

Subcellular Cytoplasm Location:

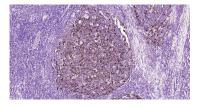
### VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with S100A1 monoclonal antibody, unconjugated (bsm-63045R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Mouse Breast; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with S100A1 Monoclonal Antibody, Unconjugated(bsm-63045R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Chronic tonsillitis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with S100A1 Monoclonal Antibody,

Unconjugated(bsm-63045R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.