

**bsm-33860M****[ Primary Antibody ]**

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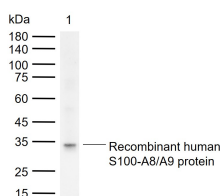
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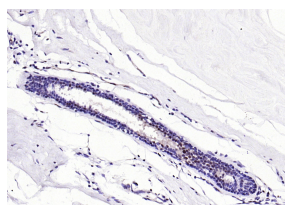
400-901-9800

**S100A8+A9 Complex Mouse mAb****DATASHEET**

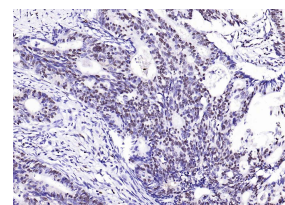
<b>Host:</b> Mouse	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-1000) <b>IHC-P</b> (1:100-200) <b>IHC-F</b> (1:400-800) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Human (predicted: Mouse, Rat)  <b>Predicted MW.:</b> 14 kDa  <b>Subcellular Location:</b> Secreted ,Cell membrane ,Cytoplasm
<b>Clonality:</b> Monoclonal	<b>CloneNo.:</b> 10D11	
<b>GeneID:</b> 6279	<b>SWISS:</b> P05109	
<b>Target:</b> S100A8+A9 Complex		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> Size : 50ul/100ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> 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 the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis. [provided by RefSeq].		

**VALIDATION IMAGES**

Sample: Lane 1: Recombinant human S100-A8/A9 protein, His(bs-41227P) Primary: Anti-S100A8+A9 Complex (bsm-33860M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 14 kDa Observed band size: 34 kDa



Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (S100A8+A9 Complex) Monoclonal Antibody, Unconjugated (bsm-33860M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (S100A8+A9 Complex) Monoclonal Antibody, Unconjugated (bsm-33860M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

**SELECTED CITATIONS**

- **[IF=9.417]** Yuqin Yang. et al. Natural small molecule self-assembled hydrogel inhibited tumor growth and lung metastasis of 4T1 breast cancer by regulating the CXCL1/2-S100A8/9 axis. MATER DESIGN. 2022 Nov;;111435 WB ;Mouse. 10.1016/j.matdes.2022.111435
- **[IF=4.219]** Li-Bin Wang. et al. Methamphetamine induces intestinal injury by altering gut microbiota and promoting inflammation in mice. TOXICOL APPL PHARM. Toxicol Appl Pharm. 2022 May;443:116011 WB ;Mouse. 35390362

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.