S100A4 Recombinant Monoclonal Mouse Antibody (rS100A4/1481)



Product Description

S100A4 belongs to the S100 super-family of proteins containing 2 EF-hand calcium-binding domains. S100 genes include at least 25 members, including S100A1-S100A18, trichohyalin, filaggrin, repetin, S100P, and S100Z. S100A4 exerts its function via direct interaction with a number of proteins including P53, P63, non-muscle myosin IIA, 64 integrin, and liprin b1. S100A4 is overexpressed in highly metastatic cancers, which makes it useful as a marker of tumor progression. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the CF® Dye Brochure for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors. **Stock status:** Because Biotium offers a large number of antibody and conjugation options, primary antibody conjugates may be made to order. Typical lead times are up to one week for CF® dye and biotin conjugates, and up to 2-3 weeks for fluorescent protein and enzyme conjugates. Please email order@biotium.com to inquire about stock status and lead times before placing your order.

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Fibroblast specific protein 1 (FSP1); Leukenia mullidrug resistance associated protein; Malignant transformation suppression 1 (MTS1); Metastasin; Placental calcium-binding protein Human gene symbol S100A4 Entrez gene ID 6275 SwissProt P26447 Unigene 654444 Immunogen Recombinant fragment (around aa 1-200) of human S100A4 protein (exact sequence is proprietary) Verified antibody applications Flow (intracellular) (verified), IF (verified), IHC (FFPE) (verified), WB (verified) Antibody target cellular (coalization) Species reactivity Human, Mouse HeLa, A549 or A375 cells (IF/FACS), HeLa, A549, T98G or A375 cell lysate (WB). Human placenta tissue (IHC). Shipping condition Room temperature Storage Conditions Storage Conditions For research use only (RUO) Antibody/conjugate formulation PBS/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2	Product attributes			
target) Antibody type Primary Host species Mouse Clonality Recombinant Monoclonal Clone rS100A4/1481 Isotype IgG1, kappa Molecular weight 10-12 kDa Synonyms S100 calcium-binding protein A4; CAPL; Fibroblast specific protein 1 (FSP1); Leukenia multidrug resistance associated protein; Malignant transformation suppression 1 (MTS1); Metastasin; Placental calcium-binding protein Human gene symbol Entrez gene ID S100A4 Entrez gene ID 6275 SwissProt P26447 Unigene 654444 Immunogen Recombinant fragment (around aa 1-200) of human S100A4 protein (exact sequence is proprietary) Verified antibody applications Verified, IHC (FFPE) (verified), IF (verified)	Antibody number	#3186		
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Isotype IgG1, kappa	Clonality	Recombinant Monoclonal		
Molecular weight 10-12 kDa	Clone	rS100A4/1481		
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SwissProt Unigene 654444 Immunogen Recombinant fragment (around aa 1-200) of human \$100A4\$ protein (exact sequence is proprietary) Verified antibody applications Flow (intracellular) (verified), IF	Human gene symbol	S100A4		
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Iccalization Human, Mouse		(verified), IHC (FFPE) (verified), WB		
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Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.5% azide, Purified, BSA-free: 1 mg/mL in PBS Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended	Positive control	HeLa, A549, T98G or A375 cell lysate		
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Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% BSA/	Storage Conditions	conjugates from light, Note: store		
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Tumor expression Breast cancer	Shelf life	date of receipt when stored as		
	Tumor expression	Breast cancer		

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Antibody # prefix	Conjugation	Ex/Em (nm)	Laser line	Detection channel	Dye Features
BNC04	CF®405S	404/431	405	DAPI (microscopy), AF405	CF®405S Features
BNC88	CF®488A	490/515	488	GFP, FITC	CF®488A Features
BNC68	CF®568	562/583	532, 561	RFP, TRITC	CF®568 Features
BNC94	CF®594	593/614	561	Texas Red®	CF®594 Features
BNC40	CF®640R	642/662	633-640	Cy®5	CF®640R Features
BNC47	CF®647	650/665	633-640	Cy®5	CF®647 Features
BNCB	Biotin	N/A	N/A	N/A	
BNUB	Purified	N/A	N/A	N/A	
BNUM	Purified,	N/A	N/A	N/A	

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