

For Research Use Only

S100A8 Monoclonal antibody

Catalog Number: 66853-1-Ig 11 Publications



Basic Information

Catalog Number: 66853-1-Ig	GenBank Accession Number: BC005928	Purification Method: Protein A purification
Size: 150ul , Concentration: 1800 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6279	CloneNo.: 1G11C8
Source: Mouse	UNIPROT ID: P05109	Recommended Dilutions: IHC: 1:250-1:1000 IF-P: 1:200-1:800
Isotype: IgG2a	Full Name: S100 calcium binding protein A8	
Immunogen Catalog Number: AG8517	Calculated MW: 93 aa, 11 kDa	

Applications

Tested Applications: IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	IHC : human tonsillitis tissue, human breast cancer tissue, human cervical cancer tissue, human liver cancer tissue
Species Specificity: human	IF-P : human tonsillitis tissue,
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

S100A8 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Bo Hao	36270103	Transl Oncol	IF
Rongfang Shen	36209225	J Transl Med	IHC
Fang Bai	36525776	J Photochem Photobiol B	WB

Storage

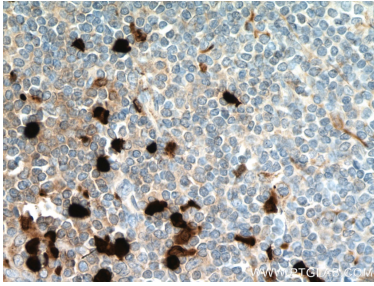
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

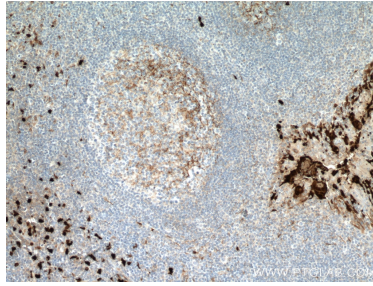
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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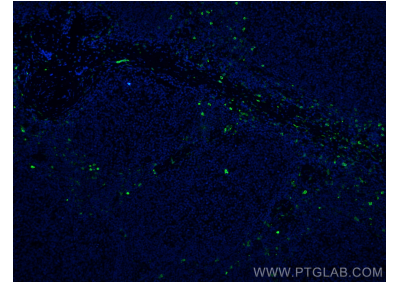
Selected Validation Data



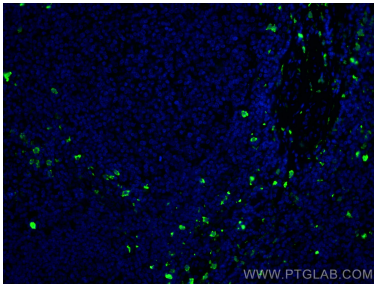
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66853-1-Ig (S100A8 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



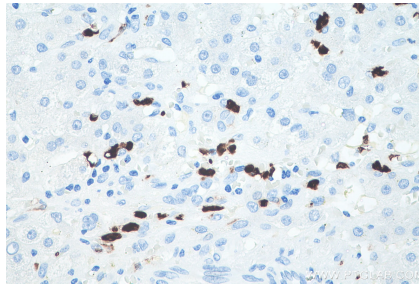
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66853-1-Ig (S100A8 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using S100A8 antibody (66853-1-Ig, Clone: 1G11C8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using S100A8 antibody (66853-1-Ig, Clone: 1G11C8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66853-1-Ig (S100A8 antibody) at dilution of 1:16000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).