

For Research Use Only

# S100A8 Monoclonal antibody, PBS Only

Catalog Number: 66853-1-PBS



## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>66853-1-PBS                     | <b>GenBank Accession Number:</b><br>BC005928         | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug, Concentration: 1mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>6279                        | <b>CloneNo.:</b><br>1G11C8                            |
| <b>Source:</b><br>Mouse                                   | <b>UNIPROT ID:</b><br>P05109                         |   |
| <b>Isotype:</b><br>IgG2a                                  | <b>Full Name:</b><br>S100 calcium binding protein A8 |   |
| <b>Immunogen Catalog Number:</b><br>AG8517                | <b>Calculated MW:</b><br>93 aa, 11 kDa               |   |

## Applications

**Tested Applications:**  
IHC, IF-P, Indirect ELISA

**Species Specificity:**  
human

## 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.

## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

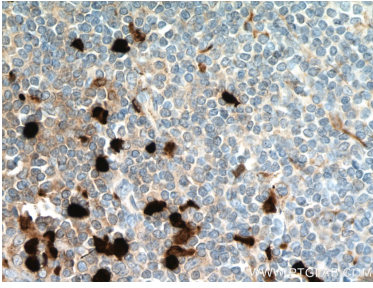
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

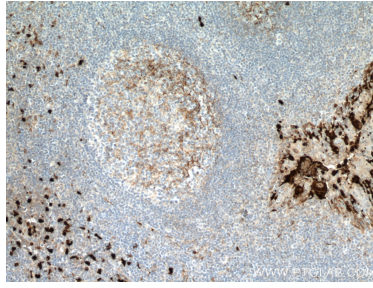
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

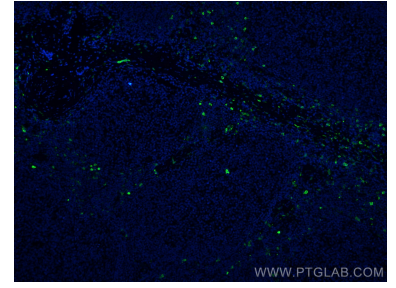
## Selected Validation Data



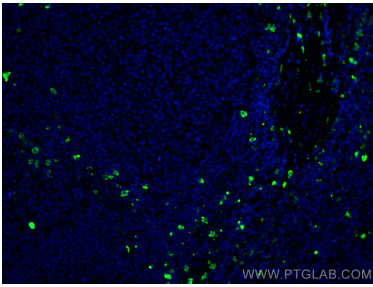
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66853-1-Ig (S100A8 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66853-1-PBS in a different storage buffer formulation.



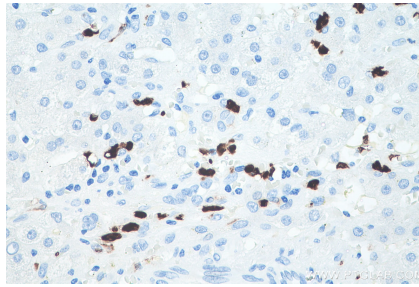
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66853-1-Ig (S100A8 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66853-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66853-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66853-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66853-1-PBS in a different storage buffer formulation.