

For Research Use Only

S100A14 Recombinant antibody, PBS Only

Catalog Number:83559-5-PBS



Basic Information

Catalog Number: 83559-5-PBS	GenBank Accession Number: BC005019	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 57402	CloneNo.: 240528B6
Source: Rabbit	UNIPROT ID: Q9HCY8	
Isotype: IgG	Full Name: S100 calcium binding protein A14	
Immunogen Catalog Number: AG0757	Calculated MW: 12 kDa	
	Observed MW: 12 kDa	

Applications

Tested Applications:
WB, IHC, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Background Information

The S100 family is a multifunctional group of EF-hand type calcium-binding proteins. S100A14 protein (previously known as BCMP84, S100A15) is a recently identified member of the S100 family. It is differentially expressed in a number of different human malignancies like ovary, breast, uterus, kidney, rectum and colon cancers, and esophageal and oral squamous cell carcinomas (OSCCs).7

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

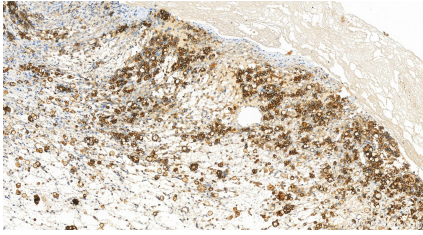
T: 4006900926

E: Proteintech-CN@ptglab.com

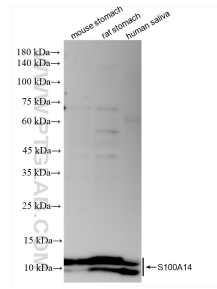
W: ptgcn.com

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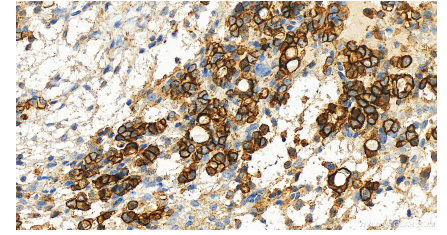
Selected Validation Data



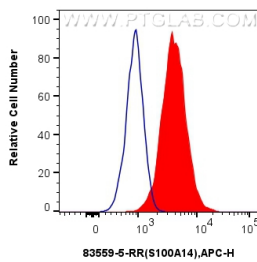
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83559-5-RR (S100A14 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83559-5-PBS in a different storage buffer formulation.



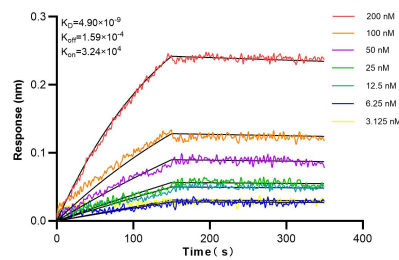
Various lysates were subjected to SDS PAGE followed by western blot with 83559-5-RR (S100A14 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83559-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83559-5-RR (S100A14 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83559-5-PBS in a different storage buffer formulation.



1×10^6 HeLa cells were intracellularly stained with 0.25 ug S100A14 Recombinant antibody (83559-5-RR, Clone:240528B6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83559-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83559-5-RR against Human S100A14 were performed. The affinity constant is 4.90 nM.