

For Research Use Only

Albumin Monoclonal antibody, PBS Only (Detector)

Catalog Number: 66051-1-PBS



Basic Information

Catalog Number: 66051-1-PBS	GenBank Accession Number: BC034023	Purification Method: Protein G purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 213	CloneNo.: 4A1C11
Source: Mouse	UNIPROT ID: P02768	
Isotype: IgG1	Full Name: albumin	
Immunogen Catalog Number: AG9885	Calculated MW: 609 aa, 69 kDa	
	Observed MW: 66 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human, rat, pig

Product Information

66051-1-PBS targets Albumin as part of a matched antibody pair:

MP50031-1: 66051-2-PBS capture and 66051-1-PBS detection (validated in Sandwich ELISA)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

Albumin is the most abundant protein in blood plasma. Alterations of level of serum albumin are linked to variety of diseases. Albumin is expressed exclusively by well-differentiated hepatocytes, thus anti-albumin has been used to mark hepatocytes. (21388516, 23832071) In addition, glycosylated serum albumin is also a potential diabetes biomarker.

Storage

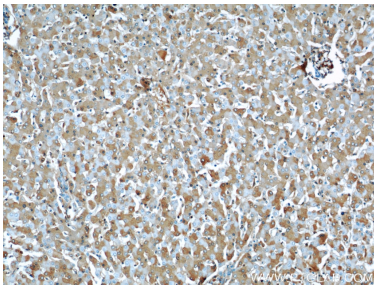
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

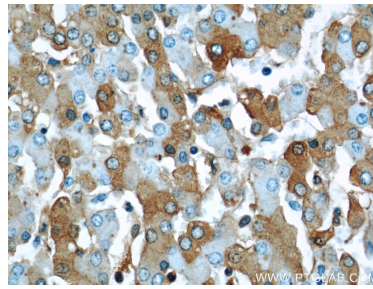
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

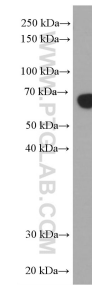
Selected Validation Data



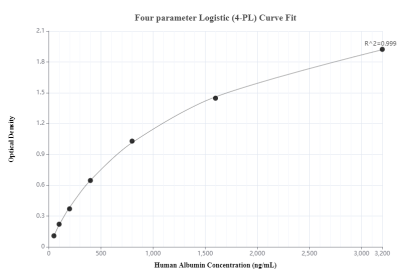
Immunohistochemical analysis of paraffin-embedded human liver using 66051-1-Ig(Alb antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 66051-1-PBS in a different storage buffer formulation.



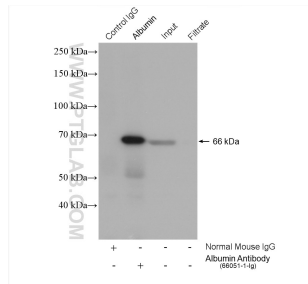
Immunohistochemical analysis of paraffin-embedded human liver using 66051-1-Ig(Alb antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 66051-1-PBS in a different storage buffer formulation.



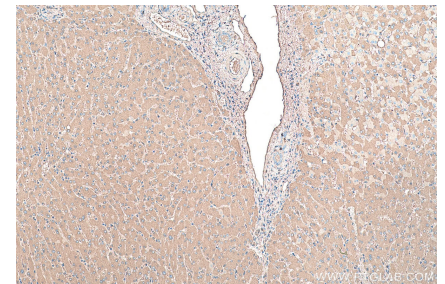
human plasma (diluted 5000 fold) was subjected to SDS PAGE followed by western blot with 66051-1-Ig (Albumin Antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66051-1-PBS in a different storage buffer formulation.



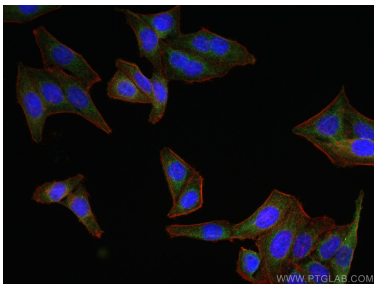
Sandwich ELISA standard curve of MP50031-1, ALB Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66051-2-PBS. Detection antibody: 66051-1-PBS. Standard: Ag9885. Range: 50-3200 ng/mL.



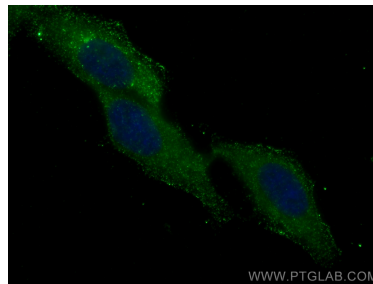
IP result of anti-Albumin (IP:66051-1-Ig, 4ug; Detection:66051-1-Ig 1:1000) with HepG2 cells lysate 1720 ug. This data was developed using the same antibody clone with 66051-1-PBS in a different storage buffer formulation.



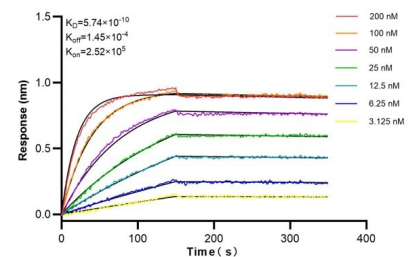
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66051-1-Ig (Albumin antibody) at dilution of 1:64000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66051-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Albumin antibody (66051-1-Ig, Clone: 4A1C11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66051-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using Albumin antibody (66051-1-Ig, Clone: 4A1C11) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66051-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 66051-1-PBS against Human Albumin were performed. The affinity constant is 0.574 nM