

For Research Use Only

# FITC Monoclonal antibody

Catalog Number: 68132-1-Ig **1 Publications**



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
68132-1-Ig	GeneID (NCBI):	Protein A purification
Size:	Full Name:	CloneNo.:
150ul , Concentration: 1000 ug/ml by Nanodrop;		3C10A1
Source:		Recommended Dilutions:
Mouse		WB 1:5000-1:50000
Isotype:		
IgG2a		

## Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB : FITC-TDP43, FITC-Ag1231, BSA
Cited Applications:	
WB	
Species Specificity:	
chemical compound, fitc	
Cited Species:	
mouse	

## Background Information

Fluorescein isothiocyanate (FITC) is a derivative of fluorescein used in wide-ranging applications. It is the original fluorescein molecule functionalized with an isothiocyanate reactive group (-N=C=S), replacing a hydrogen atom on the bottom ring of the structure. It is typically available as a mixture of isomers, fluorescein 5-isothiocyanate (5-FITC) and fluorescein 6-isothiocyanate (6-FITC). FITC is reactive towards nucleophiles including amine and sulfhydryl groups on proteins. CAS number of FITC: 27072-45-3 (mixture); 3326-32-7, 5-isomer; 18861-78-4 (6-isomer). This mouse monoclonal antibody detects the FITC only. This antibody can be coated in the plate to capture the FITC conjugated protein or antibody.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ying Liu	39514743	Environ Health Perspect	WB

## Storage

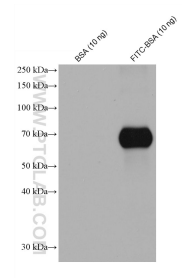
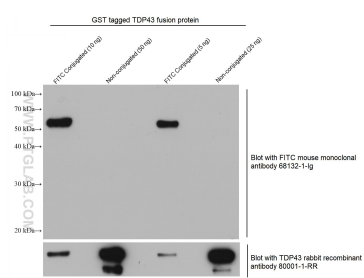
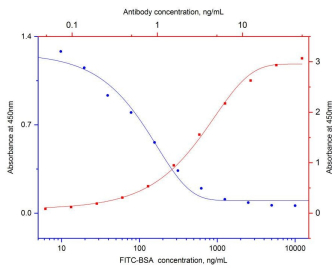
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 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



Indirect ELISA and competitive ELISA results show that this antibody is specific to FITC. Indirect ELISA was performed by coating FITC conjugated BSA at Ong/well followed by blocking with 1% BSA. Serial diluted primary antibody was added to the plates and incubated at 37°C. HRP-goat anti-mouse was used for detection (red curve, refer to top X-right Y axis). Competitive ELISA was performed similarly except that different concentration of FITC (active group been



WB result of FITC antibody (68132-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with FITC conjugated protein and un-conjugated protein as negative control. Antibody to TDP-43 as the positive control to target protein.

WB results of FITC antibody (68132-1-Ig, 1:10000) with BSA and FITC conjugated BSA.