

For Research Use Only

# FITC Monoclonal antibody

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



## Basic Information

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

## Applications

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

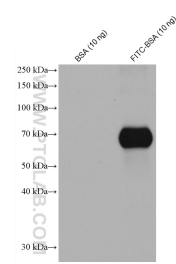
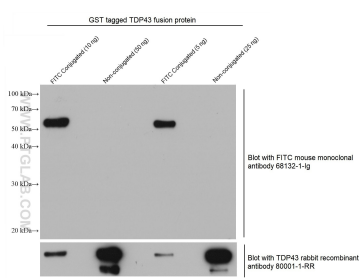
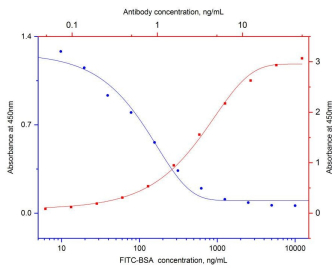
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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



Indirect ELISA and competitive ELISA results show that this antibody is specific to FITC. Indirect ELISA was performed by coating FITC conjugated BSA at 0ng/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.