

For Research Use Only

FITC Monoclonal antibody

Catalog Number: 68132-1-Ig



Basic Information

Catalog Number:

68132-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Purification Method:

Protein A purification

CloneNo.:

3C10A1

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

FITC

Positive Controls:

WB : FITC-TDP43, FITC-Ag1231, BSA

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.

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

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

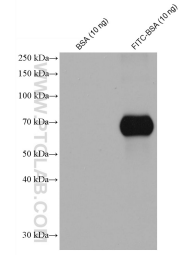
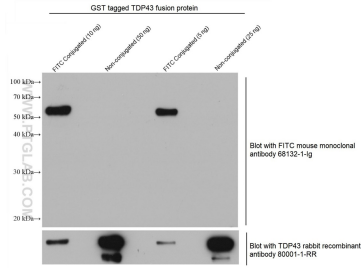
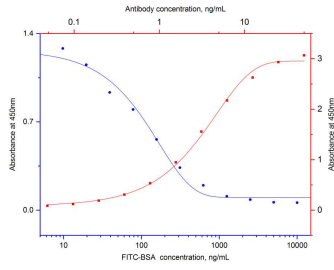
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Selected Validation Data



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.