Datasheet for ABIN101828

Goat anti-Mouse IgG (F(ab')2 Region) Antibody (FITC)

2 Images

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Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	F(ab')2 Region
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	FITC
Application:	Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

Product Details

Purpose:	Mouse IgG F(ab')2 Antibody Fluorescein Conjugated
Immunogen:	Optional[Immunogen]: Mouse IgG F(ab')2 fragment
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Goat Serum, Mouse IgG, Mouse IgG F(ab')2 and Mouse Serum. No reaction was observed against Mouse IgG F(c).
Characteristics:	Anti-Mouse IgG F(c) generated in goat is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled conditions of temperature, time and pH .
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads.

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Anti-Mouse IgG F(ab')2 Fluorescein Antibody generated in goat is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH . F(ab')2 Molecules lack the Fc portion of IgG and therefore receptors that bind mouse IgG F(c) will not bind mouse IgG F(ab')2 Molecules. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.

Application Details

Application Notes:	Application Note: This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. Flow Cytometry Dilution: 1:500 - 1:2,500 FLISA Dilution: 1:10,000 - 1:50,000 IF Microscopy Dilution: 1:1,000 - 1:5,000 Other: FLOW CYTOMETRY 1:500 - 1:2,500
Restrictions:	For Research Use only

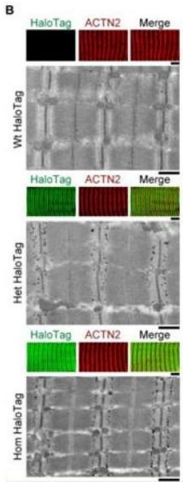
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 1.0 mL
Concentration:	2.0 mg/mL
Buffer:	Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free , Preservative:0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

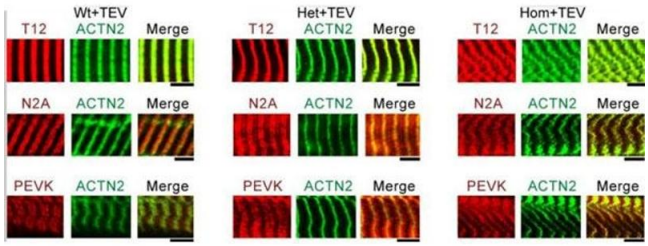
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Fluorescence Microscopy

Image 1. Mutant titin expression in skeletal muscles of different genotypes. (B) Correlative immunofluorescence (IF) and immunogold electron microscopy of wild-type (Wt), heterozygous (Het), and homozygous (Hom) psoas muscle. Representative IF images of fibers (colored panels) labeled with HaloTag antibody (green) and counterstained for α-actinin (ACTN2, red), and immunoelectron micrograph showing HaloTag labeling. Scale bars, 5 µm (IF), 1 µm (IEM). Figure 1. PMID: 33357376.



Fluorescence Microscopy

Image 2. Immunofluorescence (IF) micrographs of skeletal fibers labeled with different antibodies to I-band titin (T12, N2A, and PEVK, red IF staining), and Z-disk marker α-actinin (ACTN2, green IF staining). Shown are examples of Wt, Het, and Hom fibers after TEV-protease treatment, held passively for 30 min at a stretched length. Scale bars, 5 µm. Figure 5S1. PMUD: 33357376.