

Datasheet for ABIN6699010

Donkey anti-Mouse IgG Antibody (DyLight 549)



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1 Publication

Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Mouse
Host:	Donkey
Clonality:	Polyclonal
Conjugate:	DyLight 549
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Purpose:	Mouse IgG (H&L) Antibody DyLight™ 549 Conjugated
Immunogen:	Mouse IgG whole molecule
Isotype:	IgG
Characteristics:	Donkey anti-Mouse IgG DyLight 549™ Conjugated Antibody, Donkey anti Mouse IgG Antibody DyLight 549™ Conjugation, Anti-Mouse IgG DyLight549 Antibody generated in donkey detects reactivity to Mouse IgG.
Labeling Ratio:	4.0

Target Details

Target:	IgG
Abstract:	IgG Products

Target Details

Target Type:	Antibody
Background:	<p>Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both the Heavy and Light chains of the antibody molecule are present. 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.</p>

Application Details

Application Notes:	<p>FLISA_Dilution: >1:20,000</p> <p>IF_Microscopy_Dilution: >1:5,000</p> <p>Western_Blot_Dilution: >1:10,000</p> <p>Other: User Optimized</p>
Comment:	<p>Anti-Mouse IgG DyLight549 Antibody has been tested by western blot and 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. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation.</p> <p>Suggested Applications: IF</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum

Handling

Albumin (BSA) - Immunoglobulin and Protease free, 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.

Storage: 4 °C, -20 °C

Storage Comment: Store conjugated secondary antibody 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. Conjugated Secondary Antibody is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months

Publications

Product cited in: Yusuf, Mukovozov, Patel, Huang, Liu, Reddy, Skrtic, Glogauer, Robinson: "The neurorepellent, Slit2, prevents macrophage lipid loading by inhibiting CD36-dependent binding and internalization of oxidized low-density lipoprotein." in: **Scientific reports**, Vol. 11, Issue 1, pp. 3614, (2021) ([PubMed](#)).