

Datasheet for ABIN6698848

Donkey anti-Goat IgG Antibody (DyLight 405)[Go to Product page](#)**1** Publication

Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Goat
Host:	Donkey
Clonality:	Polyclonal
Conjugate:	DyLight 405
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Purpose:	Goat IgG (H&L) Antibody DyLight™ 405 Conjugated
Immunogen:	Goat IgG, whole molecule
Isotype:	IgG
Characteristics:	donkey anti-Goat IgG Antibody DyLight™ 405 Conjugation, donkey anti-Goat IgG DyLight™ 405 Conjugated Antibody, Anti-Goat IgG DyLight Antibody generated in donkey detects goat IgG.
Labeling Ratio:	2.0

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody

Target Details

Background: 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 heavy and light chains of the antibody molecule are present.

Application Details

Application Notes: FLISA_Dilution: >1:20,000
IF_Microscopy_Dilution: >1:5,000
Western_Blot_Dilution: >1:10,000
Other: User Optimized

Comment: The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation. 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.
Suggested Applications: WB

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 100 µL
Reconstitution Buffer: Restore with deionized water (or equivalent)

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum 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

Handling

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: Zu, Wang, Ping, Sun: "Tan IIA inhibits H1299 cell viability through the MDM4-IAP3 signaling pathway." in: **Molecular medicine reports**, Vol. 17, Issue 2, pp. 2384-2392, (2018) ([PubMed](#)).