

Datasheet for ABIN6698811

Goat anti-Chicken IgG Antibody (DyLight 488) - Preadsorbed



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1 Image

Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Chicken
Host:	Goat
Clonality:	Polyclonal
Conjugate:	DyLight 488
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM), Dot Blot (DB)

Product Details

Purpose:	Chicken IgG (H&L) Antibody DyLight™ 488 Conjugated Pre-Adsorbed
Immunogen:	Chicken IgG whole molecule
Isotype:	IgG
Cross-Reactivity (Details):	Minimal crossreactivity against Bv Gt GP Ham Hs Hu Ms Rb Rt & Sh Serum Proteins
Characteristics:	goat anti-Chicken IgG DyLight™488 Conjugated Antibody, goat anti-Chicken IgG Antibody DyLight™488 Conjugation, Chicken Secondary Antibody, Anti-Chicken IgG DyLight Antibody generated in goat detects chicken IgG.
Purification:	PreadSORption: Pre-Adsorbed
Labeling Ratio:	7.8

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
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 compliment 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_Blots_Dilution: >1:10,000 Other: User Optimized
Comment:	Anti-Chicken IgG DyLight488 has been tested by dot blot. 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. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation. Suggested Applications: IHC
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

Handling

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

Images



Western Blotting

Image 1. Western Blot of Anti-Chicken IgG (H&L) (GOAT) Antibody (Min X Bv Gt GP Ham Hs Hu Ms Rb Rt & Sh Serum Proteins). Lane M: 3 µl Molecular Ladder. Lane 1: Chicken IgG whole molecule. Lane 2: Chicken IgG F(c) Fragment. Lane 3: Chicken IgG Fab Fragment. Lane 4: Chicken IgM Whole Molecule. Lane 5: Chicken Serum. All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Chicken IgG (H&L) (GOAT) Antibody (Min X Bv Gt GP Ham Hs Hu Ms Rb Rt & Sh Serum Proteins) 1:3,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in ABIN925618 for 30 min at RT. Predicted/Observed Size: 25 and 72 kDa for Chicken IgG and Serum, 25 kDa for F(c) and Fab, 75 kDa for IgM. Chicken F(c) migrates slightly higher.