Datasheet for ABIN6698806

Goat anti-Chicken IgG Antibody (DyLight 405) - Preadsorbed

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Overview

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

Product Details

Purpose:	Chicken IgG (H&L) Antibody DyLight™ 405 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™405 Conjugated Antibody, goat anti-Chicken IgG Antibody DyLight™405 Conjugation, Chicken Secondary Antibody, goat anti-Chicken IgY DyLight™405,Anti-Chicken IgG DyLight Antibody generated in goat detects chicken IgY.
Purification:	Preadsorption: Pre-Adsorbed
Labeling Ratio:	2.0

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_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. Conjugated Secondary Antibody 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: IF, Multiplex
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

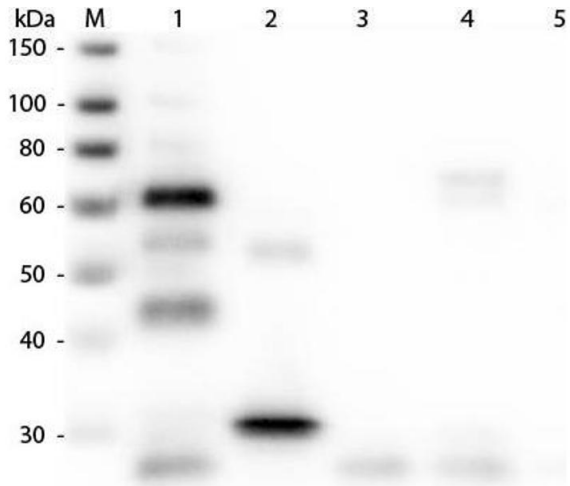
Handling

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:	Göttle, Manousi, Kremer, Reiche, Hartung, Küry: "Teriflunomide promotes oligodendroglial differentiation and myelination." in: **Journal of neuroinflammation**, Vol. 15, Issue 1, pp. 76, (2019) (PubMed). Göttle, Sabo, Heinen, Venables, Torres, Tzekova, Parras, Kremer, Hartung, Cate, Küry: " Oligodendroglial maturation is dependent on intracellular protein shuttling." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 35, Issue 3, pp. 906-19 , (2015) (PubMed).

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-

Images

Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in ABIN925618 for 30 min at RT. Predicted/Obsevered 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.