



Datasheet for ABIN6698858

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



[Go to Product page](#)

1 Image

2 Publications

Overview

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

Product Details

Immunogen:	Immunogen: Goat IgG whole molecule
Isotype:	IgG
Characteristics:	<p>Synonyms: donkey anti-Goat IgG Antibody DyLight™ 488 Conjugation, donkey anti-Goat IgG DyLight™ 488 Conjugated Antibody</p> <p>Background: Anti-Goat IgG DyLight Antibody generated in donkey detects goat IgG. 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 opsinization 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.</p>
Purification:	Preadsorption: Solid phase absorption

Product Details

Labeling Ratio: 4.9

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Application Details

Application Notes: Application Note: 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.

FLISA Dilution: >1:20,000

Western Blot Dilution: >1:10,000

IF Microscopy Dilution: >1:5,000

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 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: RT, 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

Handling

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.

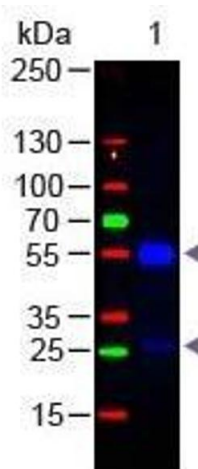
Expiry Date: 12 months

Publications

Product cited in: Onoda, Takeda, Umezawa: "Dose-dependent induction of astrocyte activation and reactive astrogliosis in mouse brain following maternal exposure to carbon black nanoparticle." in: **Particle and fibre toxicology**, Vol. 14, Issue 1, pp. 4, (2017) ([PubMed](#)).

Onoda, Kawasaki, Tsukiyama, Takeda, Umezawa: "Perivascular Accumulation of β -Sheet-Rich Proteins in Offspring Brain following Maternal Exposure to Carbon Black Nanoparticles." in: **Frontiers in cellular neuroscience**, Vol. 11, pp. 92, (2017) ([PubMed](#)).

Images



Western Blotting

Image 1. Goat IgG (H&L) Antibody 488 Conjugated Pre-Adsorbed Western Blot Western Blot of Donkey anti-Goat IgG Antibody 488 Conjugated Pre-Adsorbed Lane 1: Goat IgG Load: 50 ng per lane Secondary antibody: Goat IgG (H&L) Antibody 488 Conjugated Pre-Adsorbed at 1:1,000 for 60 min at RT Block: ABIN925618 for 30 min at RT Predicted/Observed size: 55 and 28 kDa, 55 and 28 kDa