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Datasheet for ABIN6699113

**Donkey anti-Rabbit IgG (Heavy & Light Chain) Antibody (DyLight 680) - Preadsorbed**

## Overview

Quantity:	100 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Rabbit
Host:	Donkey
Clonality:	Polyclonal
Conjugate:	DyLight 680
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

## Product Details

Purpose:	Donkey anti-Rabbit IgG DyLight™ 680 Conjugated Antibody
Immunogen:	Immunogen: Rabbit IgG whole molecule
Isotype:	IgG
Specificity:	This antibody will react with heavy chains of Rabbit IgG and with light chains of most Rabbit immunoglobulins.
Characteristics:	<p>Synonyms: Donkey anti-Rabbit IgG DyLight™ 680 Conjugated Antibody, Donkey anti-Rabbit IgG Antibody DyLight™680 Conjugation</p> <p>Background: Anti-Rabbit IgG (H&amp;L) DyLight 680 Antibody generated in donkey detects reactivity to Rabbit 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</p>

## Product Details

agglutination (and thereby immobilizing them), activation of the compliment 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 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.

**Purification:** This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads followed by conjugation to fluorochrome and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Donkey Serum, Rabbit IgG and Rabbit Serum.

**Labeling Ratio:** 2.8

## Target Details

**Target:** IgG

**Abstract:** [IgG Products](#)

**Target Type:** Antibody

## Application Details

**Application Notes:** Application Note: Anti-Rabbit IgG (H&L) DyLight 680 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. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation.

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

## Handling

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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 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