Datasheet for ABIN6699175

Goat anti-Rat IgM Antibody (DyLight 649)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	IgM
Reactivity:	Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	DyLight 649
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Purpose:	Rat IgM (mu chain) Antibody DyLight™ 649 Conjugated
Immunogen:	Rat IgM whole molecule
Isotype:	IgG
Characteristics:	Goat Anti Rat IgM (mu chain) Antibody DyLight 649™ Conjugated, Goat Anti-Rat IgM mu chain Antibody DyLight 649™ Conjugation,Anti-Rat IgM antibody specifically detects rat IgM heavy chain.
Labeling Ratio:	3.1

Target Details

Target:	IgM
Abstract:	IgM Products

Target Details

Target Type:	Antibody
Background:	Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together, the approximate molecular weight of IgM is 900 kDa and possesses 10 binding sites (though due to the size of most antigens, not all sites are capable of binding at once). Due to this large size, IgM is typically isolated to the serum. Anti-Rat IgM antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology. This Rat IgM Antibody is conjugated to DyLight™649.

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:	Anti-Rat IgM DyLight™ 649 has been tested by western blot and 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.
Restrictions:	For Research Use only

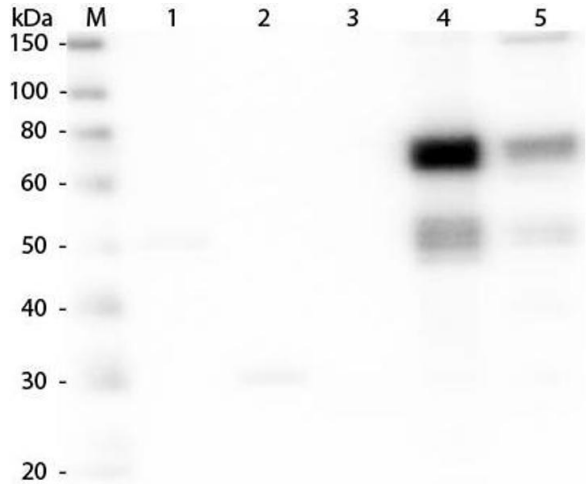
Handling

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.

Handling

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-Rat IgM (mu chain) (GOAT) Antibody. Lane M: 3 µl Molecular Ladder. Lane 1: Rat IgG whole molecule. Lane 2: Rat IgG F(c) Fragment. Lane 3: Rat IgG Fab Fragment. Lane 4: Rat IgM Whole Molecule. Lane 5: Rat Serum. All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rat IgM (mu chain) (GOAT) Antibody 1:1,000 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/Obsevered Size: 25 and 55 kDa for Rat IgG and Serum, 25 kDa for F(c) and Fab, 78 and 25 kDa for IgM. Rat F(c) migrates slightly higher.