

Datasheet for ABIN6720712
anti-His Tag antibody (DyLight 488)



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2 Images

Overview

Quantity:	100 µg
Target:	His Tag
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This His Tag antibody is conjugated to DyLight 488
Application:	Western Blotting (WB), ELISA, Fluorescence Microscopy (FM), FLISA

Product Details

Purpose:	6X His Tag Antibody Dylight™ 488 Conjugated
Immunogen:	This antibody was produced in mice by repeated immunizations with 6X His epitope tag peptide H-H-H-H-H-H conjugated to KLH using maleimide.
Clone:	33D10-D2-G8
Isotype:	IgG1 kappa
Cross-Reactivity (Details):	This monoclonal anti-6X His tag antibody detects over-expressed proteins containing the 6X His epitope tag.
Purification:	This protein-A purified antibody is directed against the 6X His motif and is useful in determining its presence in various assays.
Labeling Ratio:	5.2

Target Details

Target:	His Tag
Abstract:	His Tag Products
Background:	<p>Synonyms: mouse anti-6X His Tag DyLight™ 488 conjugated Antibody, DyLight™ 488 conjugated mouse anti-6X His Tag Antibody, anti-HIS, HIS Antibody, 6X His Tag Antibody, HHHHHH epitope tag antibody</p> <p>Background: This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA), fluorescent polarization, FRET and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.</p>

Application Details

Application Notes:	<p>FLISA_Dilution: >1:20,000</p> <p>IF_Microscopy_Dilution: >1:5,000</p> <p>Western_Blots_Dilution: >1:10,000-1:25,000</p> <p>Other: FLUORESCENT POLARIZATION: 2 - 20 nMFRET: 2 - 20 nM</p>
Comment:	Anti-6X His epitope tag DyLight™ 488 has been tested by ELISA and western blot. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation.
Restrictions:	For Research Use only

Handling

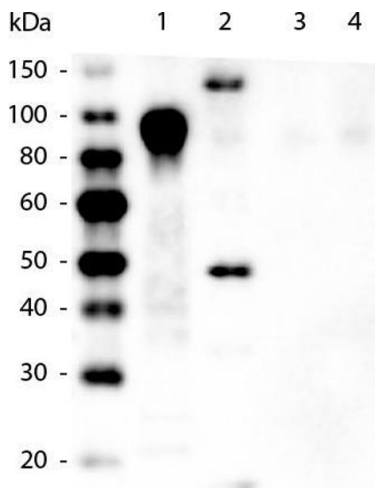
Format:	Lyophilized
Reconstitution:	<p>Reconstitution_Buffer: Restore with deionized water (or equivalent)</p> <p>Reconstitution_Volume: 100 µL</p>
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p> <p>Preservative: 0.01 % (w/v) Sodium Azide</p>
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

Handling

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

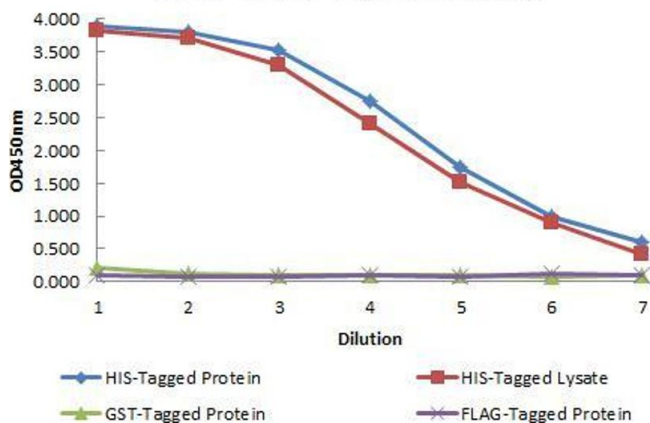
Images



Western Blotting

Image 1. Western Blot of Mouse anti-6xHIS Tag Antibody. Lane 1: 100ng Purified histidine-tagged recombinant protein. Lane 2: 200ng E. coli cell lysate containing histidine-tagged expression construct. Lane 3: 100ng Purified GST-tagged recombinant protein. Lane 4: 100ng Purified FLAG-tagged recombinant protein. Primary antibody: Mouse anti-6xHIS Tag antibody at 1:5,000 overnight at 4°C. Secondary antibody: Peroxidase mouse secondary antibody at 1:20,000 for 30 min at RT. Block: 5% BLOTTO for 1 hr at RT.

Anti-6xHIS Tag Specificity



ELISA

Image 2. ELISA of Mouse anti-6xHIS Tag Antibody. Antigen: HIS-tagged purified protein and E. coli cell lysates expressing HIS-Tagged construct, GST- and RON-tagged purified proteins. Coating amount: 0.15ug per well. Primary antibody: 6xHIS Tag antibody at 100ug/mL. Dilution series: 2-fold. Mid-point concentration: 200ng/mL. Secondary antibody: Peroxidase mouse secondary antibody at 1:10,000. Substrate: TMB .