

Datasheet for ABIN6720719  
**anti-His Tag antibody (DyLight 800)**



[Go to Product page](#)

3 Images

## Overview

Quantity:	100 µg
Target:	His Tag
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This His Tag antibody is conjugated to DyLight 800
Application:	Western Blotting (WB), ELISA, Dot Blot (DB), Fluorescence Microscopy (FM), FLISA

## Product Details

Purpose:	6X His Tag Antibody Dylight™ 800 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:	2.6

## Target Details

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Target: His Tag

Abstract: [His Tag Products](#)

Background: Synonyms: mouse anti-6X His Tag DyLight™ 800 conjugated Antibody, DyLight™ 800 conjugated mouse anti-6X His Tag Antibody, anti-HIS, HIS Antibody, 6X His Tag Antibody, HHHHHH epitope tag antibody

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.

## Application Details

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Application Notes: FLISA\_Dilution: >1:20,000  
IF\_Microscopy\_Dilution: >1:5,000  
Western\_Blots\_Dilution: 1:10,000-1:25,000  
Other: User Optimized

Comment: Mouse Anti-6X HIS EPITOPE TAG DyLight™800 Conjugated has been tested in ELISA, dot blot, and western blot and is optimally suited for monitoring expression of His-tagged fusion proteins. As such, anti-6X His/6X His can be used to identify fusion proteins that contain the 6X His epitope. The antibody recognizes the His tag fused either to the amino- or carboxy- termini of targeted proteins. 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. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

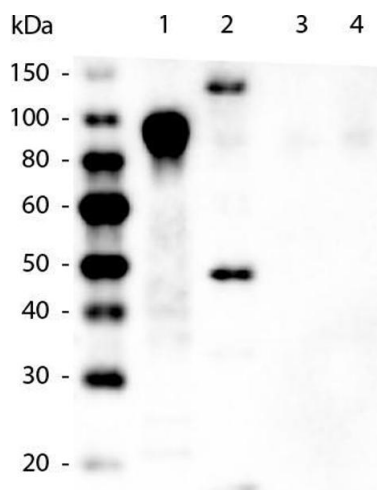
Reconstitution: Reconstitution\_Buffer: Restore with deionized water (or equivalent)  
Reconstitution\_Volume: 100 µL

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

## Handling

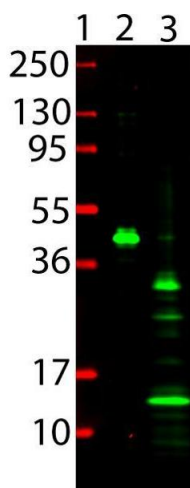
	Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage 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

## Images



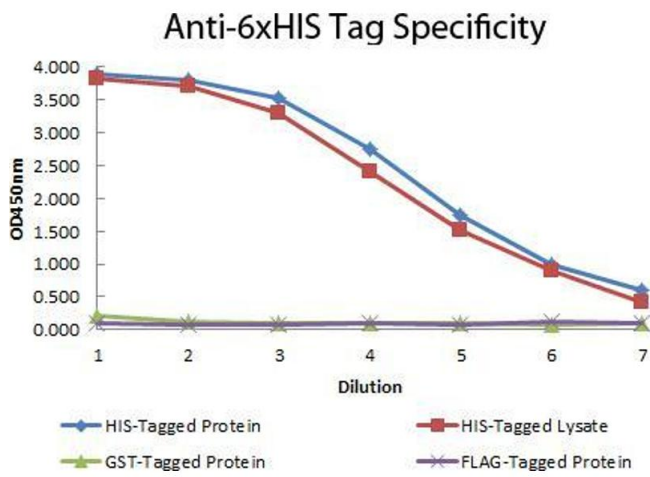
### Western Blotting

**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.



### Western Blotting

**Image 2.** Western Blot showing detection of 6x HIS Epitope Tag. Lane 1: Molecular Weight Marker. Lane 2: Recombinant 6xHIS-SUMO-GFP. Lane 3: Nag1. Blocking with 5% Blotto 30 min at 20°C. Detection: Anti-6x His Epitope Tag (MOUSE) Monoclonal Antibody 800 Conjugated secondary antibody was used at 1:5000 in Blocking Buffer for Fluorescent Western Blotting and imaged on the LiCor Odyssey imaging system.



#### ELISA

**Image 3.** 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 .