

Biotin Anti-6X His tag® antibody [33D10.D2] ab106261

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Overview

Product name	Biotin Anti-6X His tag® antibody [33D10.D2]
Description	Biotin Mouse monoclonal [33D10.D2] to 6X His tag®
Host species	Mouse
Conjugation	Biotin
Specificity	ab106261 reacts to over-expressed proteins containing the 6X His tag® fused to either the amino or carboxy terminus of transfected or transformed cells. To date, this antibody has reacted with all His tagged proteins so far tested. In western blotting of bacterial extracts, the antibody does not cross-react with endogenous proteins.
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Species independent
Immunogen	6X His epitope tag peptide H-H-H-H-H-H conjugated to KLH using maleimide.
General notes	<p>10-20 BAC molecules per Mouse Monoclonal Antibody</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 6.50</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 1% BSA, 0.42% Tripotassium orthophosphate, 0.88% Sodium chloride</p>
Purity	Protein A purified
Clonality	Monoclonal

Clone number 33D10.D2

Isotype IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab106261 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

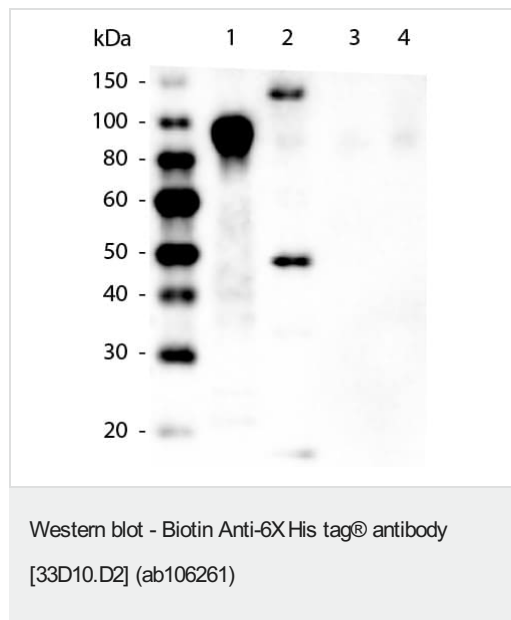
Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 1 kDa.
ELISA		1/200000.

Target

Relevance The H-H-H-H-H-H motif is used as a tag on many recombinant proteins to facilitate purification. His-tags can be fused to the amino- or carboxy- termini of proteins in transfected or transformed cells.

Cellular localization Depends upon the localization of the parent protein tagged with hexahistidine.

Images



All lanes : Biotin Anti-6X His tag® antibody [33D10.D2] (ab106261) at 1/5000 dilution (overnight at 4°C)

Lane 1 : Purified histidine-tagged recombinant protein at 0.1 µg

Lane 2 : E. coli cell lysate containing histidine-tagged expression construct at 0.2 µg

Lane 3 : Purified GST-tagged recombinant protein at 0.1 µg

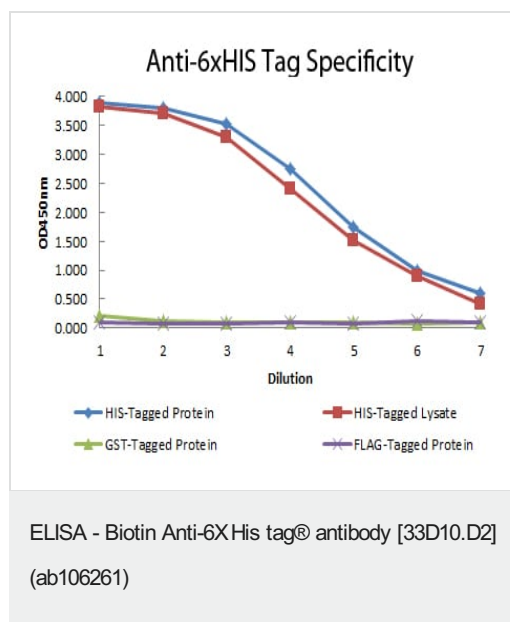
Lane 4 : Purified FLAG-tagged recombinant protein at 0.1 µg

Secondary

All lanes : Peroxidase mouse secondary antibody for 30 minutes at room temperature at 1/20000 dilution

Predicted band size: 1 kDa

Block: 5% non-fat powdered milk for 1 hour at room temperature.



ELISA analysis of ab106261 Mouse monoclonal [33D10.D2] to 6X His tag® (Biotin).

Antigen: HIS-tagged purified protein and E. coli cell lysates expressing HIS-Tagged construct, GST- and RON-tagged purified proteins.

Coating amount: 0.15 µg per well.

Primary antibody: ab106261 at 100 µg/mL.

Dilution series: 2-fold.

Mid-point concentration: 200 ng/mL.

Secondary antibody: Peroxidase conjugated mouse secondary antibody at 1/10000.

Substrate: TMB ELISA Substrate.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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