

# Product Datasheet

## His Tag Antibody (33D10.D2.G8) [DyLight 405] NBP1-97328

Unit Size: 0.1 mg

Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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**NBP1-97328**

His Tag Antibody (33D10.D2.G8) [DyLight 405]

| Product Information         |   |
|-----------------------------|---|
| Unit Size                   | 0.1 mg  |
| Concentration               | LYOPH mg/ml   |
| Storage                     | Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.                             |
| Clonality                   | Monoclonal  |
| Clone                       | 33D10.D2.G8   |
| Preservative                | 0.01% Sodium Azide  |
| Reconstitution Instructions | Reconstitute with 100 ul deionized water (or equivalent)  |
| Isotype                     | IgG1 Kappa  |
| Conjugate                   | DyLight 405   |
| Purity                      | Protein A purified  |
| Buffer                      | Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |

| Product Description     |  |
|-------------------------|--|
| Description             | <p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C 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 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>This protein-A purified antibody is directed against the 6X His motif and is useful in determining its presence in various assays</p>  |
| Host                    | Mouse  |
| Species                 | Epitope Tag  |
| Reactivity Notes        | 6x His tag specific  |
| Specificity/Sensitivity | This protein-A purified antibody is directed against the 6X His motif and is useful in determining its presence in various assays. This monoclonal anti-6X His tag antibody detects over-expressed proteins containing the 6X His epitope tag. 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. The antibody recognizes the His-tag (His-His-His-His-His-His) fused to either the amino- or carboxy-termini of targeted proteins in transfected or transformed cells. |
| Immunogen               | His Tag Antibody (33D10.D2.G8) was produced in mice by repeated immunizations with 6X His epitope tag peptide H-H-H-H-H-H conjugated to KLH using maleimide.   |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.  |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Dot Blot, ELISA, Fluorophore-linked immunosorbent assay, Immunocytochemistry/ Immunofluorescence   |
| Recommended Dilutions       | Western Blot 1:10000 - 1:25000, ELISA, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Dot Blot, Fluorophore-linked immunosorbent assay >1:20000 |

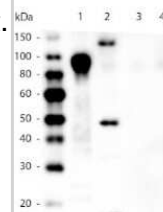


## Application Notes

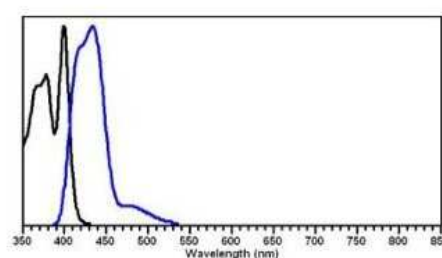
The emission spectra for this DyLight(TM) conjugate match the principle output wavelengths of most common fluorescence instrumentation.

## Images

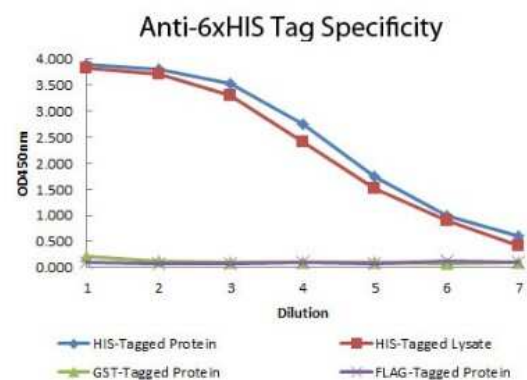
Western Blot: His Tag Antibody (33D10.D2.G8) [DyLight 405] [NBP1-97328] - Western Blot of His Tag antibody (33D10.D2.G8) [DyLight 405]. Lane 1: 100ng Purified histidine-tagged recombinant protein. Lane 2: 200ng E. coli cell lysate containing histidine-tagged expression construct. Lane 3: 100ng Purified GST-tagged recombinant protein. Lane 4: 100ng Purified FLAG-tagged recombinant protein. Primary antibody: Mouse anti-His Tag antibody at 1:5,000 overnight at 4C. Secondary antibody: Peroxidase mouse secondary antibody at 1:20,000 for 30 min at RT. Block: 5% BLOTTO for 1 hr at RT.



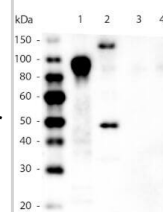
Fluorophore-linked immunosorbent assay: His Tag Antibody (33D10.D2.G8) [DyLight 405] [NBP1-97328]



ELISA: His Tag Antibody (33D10.D2.G8) [DyLight 405] [NBP1-97328] - ELISA of His Tag antibody (33D10.D2.G8) [DyLight 405] 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: His 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



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 4C. Secondary antibody: Peroxidase mouse secondary antibody at 1:20,000 for 30 min at RT. Block: 5% BLOTTO for 1 hr at RT.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-97328**

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|                   |   |
|-------------------|---|
| NBP1-43319V-0.5ml | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 405] |
| NBP1-97329        | His Tag Antibody (33D10.D2.G8) [DyLight 488]                |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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