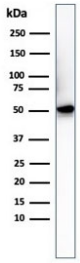
Histidine Antibody / His Tag [clone 6HIS/3550] (V8566)

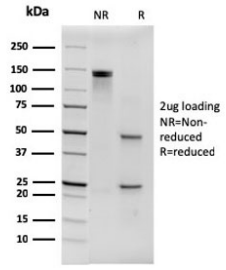
Catalog No.	Formulation	Size
V8566-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8566-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8566SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	All species
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	6HIS/3550
Purity	Protein G affinity chromatography
UniProt	Not Applicable
Applications	Western blot: 1-2ug/ml Flow cytometry: 0.5-1ug/million cells Immunofluorescence: 0.5-1ug/ml Immunoprecipitation: 2-4ug/500ug protein
Limitations	This Histidine antibody is available for research use only.



Histidine Antibody WB. Western blot analysis of Histidine antibody in His-tagged protein samples. A recombinant His-tagged protein was resolved by SDS-PAGE under reducing conditions and probed with Histidine antibody. A strong immunoreactive band is detected at approximately 50 kDa, consistent with the expected molecular weight of the His-tagged target protein. The clean banding pattern supports specific detection of polyhistidine-tagged recombinant proteins.



SDS-PAGE analysis of purified, BSA-free Histidine antibody (clone 6HIS/3550) as confirmation of integrity and purity.

Description

Histidine antibody recognizes the polyhistidine sequence, commonly referred to as the His Tag, a short stretch of histidine residues commonly engineered into recombinant proteins for purification and detection. Histidine antibody, also referred to as His Tag antibody, 6xHis antibody, and anti-His antibody in the literature, detects histidine-tagged fusion proteins expressed in bacterial, mammalian, or insect systems. Clone 6HIS/3550 provides defined monoclonal recognition of the polyhistidine epitope for reliable detection of recombinant constructs in research workflows.

The His Tag typically consists of six consecutive histidine residues positioned at the N- or C-terminus of a target protein. This tag enables affinity purification using immobilized metal affinity chromatography and facilitates downstream immunodetection. Because the histidine tag is relatively small and generally does not interfere with protein folding or biological activity, it remains one of the most widely used affinity tags in molecular biology and protein engineering applications.

Detection of His-tagged proteins is essential for confirming expression, assessing purification efficiency, and verifying molecular integrity. In denatured lysates, intact fusion proteins are typically detected at their predicted molecular weight, while truncated or degraded products may also be observed depending on expression system stability. Accurate recognition of the polyhistidine sequence is therefore important for proper interpretation of recombinant protein experiments.

Clone 6HIS/3550 recognizes the histidine tag independent of the fused protein backbone, supporting broad detection across diverse recombinant constructs. Defined monoclonal specificity promotes consistent detection of His-tagged proteins in analytical workflows.

Histidine antibody, also known as a His Tag antibody, is suitable for research applications focused on recombinant protein detection, purification validation, and molecular characterization of His-tagged constructs.

To learn more about detecting His-tagged recombinant proteins, explore our His Tag Antibody / Polyhistidine Tag Antibody page featuring recombinant rabbit monoclonal clone RM146.

Application Notes

Optimal dilution of the Histidine antibody should be determined by the researcher.

Immunogen

Hexa-histidine tagged human recombinant protein was used as the immunogen for the Histidine antibody.

Storage

Store the Histidine antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Copyright © NSJ Bioreagents. All rights reserved.