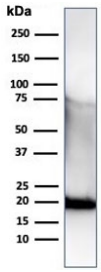
Recombinant His Tag Antibody / Histidine [clone r6HIS/6423] (V9152)

Catalog No.	Formulation	Size
V9152-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9152-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9152SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

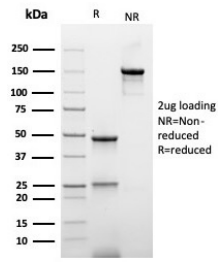
Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Species independent
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	r6HIS/6423
Purity	Protein A/G affinity
UniProt	Not Applicable
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This recombinant His Tag antibody is available for research use only.



Western blot analysis of His Tag antibody in His-tagged protein samples. A recombinant His-tagged protein was resolved by SDS-PAGE under reducing conditions and probed with the recombinant mouse monoclonal His Tag antibody clone r6HIS/6423. A strong immunoreactive band is observed at approximately 20 kDa, consistent with the expected molecular weight of the His-tagged target protein. The clear banding pattern supports specific detection of polyhistidine-tagged recombinant proteins by clone r6HIS/6423.



SDS-PAGE analysis of purified, BSA-free recombinant His Tag antibody (clone r6HIS/6423) as confirmation of integrity and purity.

Description

Recombinant His Tag antibody recognizes the polyhistidine sequence, commonly referred to as His-tag or 6xHis tag, a short amino acid motif widely engineered into recombinant proteins for purification and detection. His Tag antibody, also referred to as anti-His antibody and 6xHis antibody in the literature, detects histidine-tagged fusion proteins expressed in bacterial, mammalian, or insect expression systems. Clone r6HIS/6423 is produced as a recombinant mouse monoclonal antibody, providing defined specificity and consistent performance for detection of His-tagged proteins in research applications.

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

Detection of His-tagged proteins is essential for confirming expression, verifying purification, and evaluating protein integrity. In denatured lysates, intact fusion proteins are usually detected at their predicted molecular weight, while truncated or degraded species may also be observed depending on expression system and stability. Reliable recognition of the polyhistidine epitope is therefore critical for accurate interpretation of recombinant protein experiments.

Clone r6HIS/6423 recognizes the polyhistidine sequence independently of the fused protein backbone, supporting broad detection across diverse recombinant constructs. The recombinant mouse monoclonal format supports lot-to-lot consistency and defined epitope recognition, enabling reproducible results across independent experiments.

Recombinant His Tag antibody (clone r6HIS/6423) is suitable for research applications focused on detection, characterization, and analysis of His-tagged recombinant proteins in expression and purification systems.

Application Notes

Optimal dilution of the recombinant His Tag antibody should be determined by the researcher.

Immunogen

Hexa-histidine tagged human CD70 recombinant protein was used as the immunogen for the recombinant His Tag antibody.

Storage

Aliquot the recombinant His Tag antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.