Recombinant Anti-His-Tag Monoclonal Antibody (Clone 3D5), Mouse IgG2b Kappa | PA007282.m2b

Catalog No.: PA007282.m2b **Isotype: Mouse IgG2b, kappa** **Sequence-Defined Recombinant Monoclonal**

PRODUCT SPECIFICATIONS

Parameter	Specification
Catalog No.	PA007282.m2b
Product Name	Recombinant Anti-His-Tag Monoclonal Antibody (Clone 3D5), Mouse IgG2b Kappa
Supplier & Brand	Syd Labs, Inc. / Syd Labs
Synonyms	Anti-His-Tag Monoclonal Antibody, His Tag Antibody (Clone 3D5), Anti-6xHis Antibody, Polyhistidine Tag Monoclonal Antibody, Anti-HHHHHH Antibody
Clone & Isotype	Clone 3D5 | Recombinant Mouse IgG2b, kappa
Specificity & Epitope	Recognizes contiguous polyhistidine epitope tags (6xHis / HHHHHH) fused to recombinant proteins across prokaryotic and eukaryotic expression systems.
Applications	Western Blot (WB), Immunoprecipitation (IP), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FCM), ELISA, and affinity purification.
Reactivity	Species-independent (detects His-tagged fusion proteins across bacterial, yeast, insect, and mammalian expression systems).
Purification & Purity	>95% by SDS-PAGE under reducing conditions; affinity-purified from chemically defined mammalian cell culture supernatant using Protein A chromatography.
Formulation	1 mg/ml in 1x PBS.
Endotoxin	Less than 1 EU/mg of protein as determined by LAL method.
Shipping	Shipped with ice pack. Upon receipt, store immediately at the recommended temperatures below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Centrifuge original vial after thawing before removing cap. Store at 2°C to 8°C for up to 1 month from receipt, or -20°C to -70°C for up to 12 months from receipt.

BIOLOGICAL DESCRIPTION & RESEARCH APPLICATIONS

The **Recombinant Anti-His-Tag Monoclonal Antibody (Clone 3D5), Mouse IgG2b Kappa** (Catalog No. PA007282.m2b) is a full-length recombinant monoclonal antibody derived from clone 3D5. It binds polyhistidine (6xHis) fusion tags with high specificity across expression systems, while its Mouse IgG2b kappa constant region provides strong affinity for both Protein A and Protein G resins for reliable immunoprecipitation and immunoblotting.

ORDERING & TECHNICAL SUPPORT

For batch-specific Certificate of Analysis (COA), SDS-PAGE validation data, or custom bulk volume ordering, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/anti-his-tag-monoclonal-antibody-3d5-mouse-igg2b-pa007282-m2b/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com

The recombinant Anti-His-Tag mouse IgG2b monoclonal antibody (clone 3D5) is produced in mammalian cells. It consists of rat variable regions and mouse IgG2b kappa constant regions.

PRODUCT SPECIFICATIONS

Parameter	Specification
Catalog No.	PA007282.m2b
Product Name	Recombinant Anti-His-Tag Monoclonal Antibody (clone 3D5), Mouse IgG2b Kappa
Supplier & Brand	Syd Labs, Inc. / Syd Labs
Clone	3D5
Isotype	mouse IgG2b kappa
Specificity/Sensitivity	His tagged proteins and His-tag expression cells. The 3D5 antibody recognizes the C-terminal carboxylate group of the hexahistidine peptide, the main chain of the last four His residues, and the last three imidazole side-chains.
Applications	ELISA, flow cytometry, immunoblotting, immunoprecipitation, immunocytochemistry, immunofluorescence, chromatin immunoprecipitation, electron microscopy, supershift assays, protein purification if conjugated with agarose or magnetic beads, and isotype controls.
Reactivity	Human, Mouse, Rat, Others
Purification	The His-Tag antibody was affinity-purified from supernatant of mammalian cells cultured in a chemically defined medium by affinity-chromatography using protein A.
Form Of Antibody	1 mg/ml in 1x PBS.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping	The recombinant Anti-His-Tag mouse IgG2b monoclonal antibody (clone 3D5) is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. For maximum recovery of the product, centrifuge the original vial after thawing and before removing the cap. 1 month from date of receipt, 2 to 8°C as supplied. 12 months from date of receipt, -20°C to -70°C as supplied.
RRID	AB_3758656

BIOLOGICAL DESCRIPTION & RESEARCH APPLICATIONS

The recombinant Anti-His-Tag mouse IgG2b monoclonal antibody (clone 3D5) is produced in mammalian cells and consists of rat variable regions and mouse IgG2b kappa constant regions. It recognizes His-tagged proteins and His-tag expression cells—specifically the C-terminal carboxylate group of the hexahistidine peptide, the main chain of the last four His residues, and the last three imidazole side-chains—with >95% purity by SDS-PAGE under reducing conditions.

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