Recombinant Anti-His-Tag Mouse Fab Fragment (Clone 3D5) | PA007282.mf

Catalog No.: PA007282.mf **Format: Mouse Fab Fragment** **Monovalent / Fc-Free**

Monovalent, Fc-free recombinant anti his tag mab produced as a Mouse Fab fragment (~50 kDa) derived from Clone 3D5 for specific recognition of hexahistidine (6xHis)-tagged proteins. Designed to eliminate Fc receptor background and bivalent target cross-linking in low-background detection, imaging, and structural studies.

PRODUCT SPECIFICATIONS

Parameter	Specification
Catalog No.	PA007282.mf
Product Name	Recombinant Anti-His-Tag Mouse Fab Fragment (Clone 3D5)
Supplier & Brand	Syd Labs, Inc. / Syd Labs
Synonyms	Anti His Tag mAb, Anti-His-Tag Mouse Fab Fragment, His Tag Fab (Clone 3D5), Anti-6xHis Fab Fragment, Hexahistidine Fab Antibody
Clone & Format	Clone 3D5 | Monovalent Recombinant Mouse Fab Fragment (Fc-Free)
Specificity & Epitope	Recognizes hexahistidine (6xHis) polyhistidine epitope tags on recombinant fusion proteins and His-tag expression systems.
Applications	ELISA, Western Blot (WB), Immunofluorescence (IF), Flow Cytometry (FCM), and imaging or structural assays where a monovalent, Fc-free probe is preferred.
Reactivity	6xHis-tagged fusion proteins and peptides across expression systems.
Purification & Purity	>95% by SDS-PAGE; affinity-purified recombinant Fab fragment preparation.
Formulation	1 mg/ml in 1x PBS.
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 vial briefly before opening. Store at 2°C to 8°C for up to 1 month from receipt, or -20°C to -70°C for up to 3 months as supplied.

BIOLOGICAL DESCRIPTION & RESEARCH APPLICATIONS

The **Recombinant Anti-His-Tag Mouse Fab Fragment (Clone 3D5)** (Catalog No. PA007282.mf) is a monovalent, Fc-free antigen-binding fragment derived from the variable and CH1/CL regions of clone 3D5 without an Fc domain. It recognizes 6xHis-tagged fusion proteins while eliminating Fc receptor background on immune cells and preventing bivalent target cross-linking, supporting clean immunofluorescence, imaging, and structural workflows.

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-mouse-fab-fragment-pa007282-mf/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com

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