DATASHEET

His-tag Mouse Monoclonal Antibody(C784)

CAT. NO. AMA00396

KEY FEATURES

Target	His-tag	Source / Host	Mouse
Reactivity		Clonality	Monoclonal
Applications	WB, IF/ICC, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.05% BSA and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

The His-tag (polyhistidine-tag) is an amino acid motif consisting of at least six histidine (His) residues, often at the N- or C-terminus of the protein. It is widely used for affinity purification of recombinant proteins via immobilized metal affinity chromatography (IMAC) using nickel or cobalt resins. Anti-His antibodies recognize the polyhistidine tag in WB, IP, IHC, IF, and FACS.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:2000 - 1:5000
IF/ICC	1:200 - 1:500
IP	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Recombinant mouse monoclonal antibody to His-tag
Specificity	Recognizes C-terminal, internal, and N-terminal His-tag fusion proteins.
Antibody Type	Primary antibody, Recombinant, Tag
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence of His-tag. The exact sequence is proprietary.
Purification	This antibody is purified by protein A affinity chromatography.
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.05% BSA and 0.01% sodium azide.

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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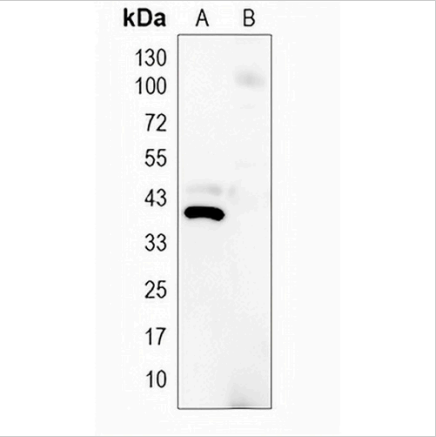
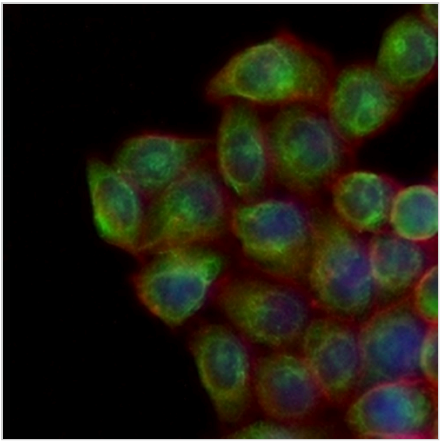


Western blot analysis of His-tag in 293F transfected with a vector overexpressing His tag (A), 293F transfected with an empty vector (B).



Immunofluorescent analysis of His-tag staining in 293T cells transfected with a His-tag protein. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 - conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.