

DESCRIPTION

Specificity	Detects proteins containing accessible consecutive histidine regions. The antibody detects His tags located at the amino- or carboxyl-terminus.
Source	Recombinant Monoclonal Mouse IgG ₁ Clone # AD1.1.10R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	His-tagged peptide
Formulation	Supplied as a solution in PBS. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.2 µg/mL	See Below
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
Immunoaffinity Purification	Immobilized anti-His antibody can be used to affinity purify proteins containing exposed His tags. The column capacity must be determined for each individual His-tagged protein.	

DATA

<p>Western Blot</p>	<p>Detection of His Tag by Western Blot. Western blot shows lysates of HEK293 human embryonic kidney cell line either non-transfected or transfected with His-tagged human CIQ4 and human MYCOC and CHO Chinese hamster ovary cell line transfected with His-tagged human BAI-1. PVDF membrane was probed with 0.2 µg/mL of Mouse Anti-His Tag Recombinant Monoclonal Antibody (Catalog # MAB050R) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). Specific bands were detected for His Tag at approximately 32, 65, and 120 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Flow Cytometry</p>	<p>Detection of His Tag in HEK293 Human Cell Line Transfected with His-tagged Proteins by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with His-tagged proteins were stained with Mouse Anti-His Tag Recombinant Monoclonal Antibody (Catalog # MAB050R, filled histogram) or isotype control antibody (Catalog # MAB002, open histogram), followed by Phycoerythrin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0102B). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.</p>
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PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C, as supplied. ● 1 month, 2 to 8 °C under sterile conditions after opening. ● 6 months, -20 to -70 °C under sterile conditions after opening.