His Tag Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # AD1.1.10R

Catalog Number: IC0501R

100 µg

DESCRIPTION

Specificity	Detects proteins containing accessible consecutive histidine regions. The antibody detects His tags located at the amino- or carboxyl-terminus.
Source	Monoclonal Mouse IgG_1 Clone # AD1.1.10R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	His-tagged peptide
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

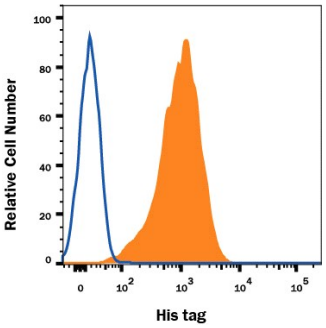
APPLICATIONS

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
Intracellular Staining by Flow Cytometry	0.25-1 µg/10^6 cells	See Below

DATA

Intracellular Staining by Flow Cytometry



Detection of His tag in HEK293 Human Cell Line Transfected with His-tagged Protein by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with His-tagged protein was stained with Mouse Anti-His Tag Alexa Fluor® 647-conjugated Monoclonal Antibody (Catalog # IC0501R, filled histogram) or isotype control antibody (Catalog # IC002R, open histogram). 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.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Consecutive histidine residues (usually 6 to 10 in length) are often inserted into the amino acid sequences of recombinant proteins. The resulting His-tagged proteins can be detected or purified by using anti-polyHis antibodies.

PRODUCT SPECIFIC NOTICES

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