

DESCRIPTION

Specificity	Detects N-terminal, C-terminal, and Internal Sequence HA-tagged proteins in Western blot.
Source	Recombinant Monoclonal Mouse IgG ₁ Clone # 912426
Purification	Protein A or G purified from cell culture supernatant
Immunogen	HA Tag peptide Accession # ABB51961
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. 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	0.5 µg/mL	See Below
Immunocytochemistry	8-25 µg/mL	See Below
Intracellular Staining by Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Western Blot

Detection of HA-tagged proteins by Western Blot. Western blot shows lysates of HEK293 human embryonic kidney cell line transfected with N-terminal HA-tagged LGI-2, Internal Sequence HA-tagged CIGALT, and C-terminal HA-tagged FBLN. PVDF membrane was probed with 0.5 µg/mL of Mouse Anti-HA Peptide Monoclonal Antibody (Catalog # MAB6875) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). Specific bands were detected for HA-tagged proteins at approximately 60, 37, and 150 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunocytochemistry

HA Tag in HEK293 Human Cell Line. HA Tag was detected in immersion fixed HEK293 human embryonic kidney cell line using Mouse Anti-HA Tag Monoclonal Antibody (Catalog # MAB6875) at 8 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

Intracellular Staining by Flow Cytometry

Detection of HA in HEK293 Human Cell Line Transfected with HA-tagged Proteins by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with HA-tagged proteins was stained with Mouse Anti-HA Monoclonal Antibody (Catalog # MAB6875, filled histogram) or isotype control antibody (Catalog # MAB002, open histogram), followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). To facilitate intracellular staining, cells were fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. 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 reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.