Human/Mouse Myocardin Antibody

Monoclonal Mouse IgG_{2B} Clone # 355521

Catalog Number: MAB4028

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Myocardin in Western blots.
Source	Monoclonal Mouse IgG_{2B} Clone # 355521
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human Myocardin Met97-Leu290 Accession # Q8IZQ8
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
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 as a 0.2 µm filtered solution in PBS.

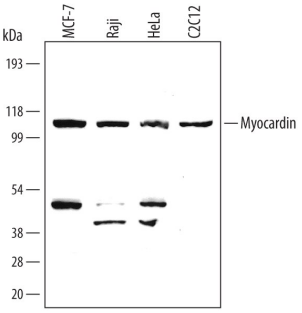
APPLICATIONS

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	1 µg/mL	See Below

DATA

Western Blot



Detection of Human Myocardin by Western Blot. Western blot shows lysates of MCF-7 human breast cancer cell line, Raji human Burkitt's lymphoma cell line, HeLa human cervical epithelial carcinoma cell line, and C2C12 mouse myoblast cell line. PVDF membrane was probed with 1 µg/mL of Human Myocardin Monoclonal Antibody (Catalog # MAB4028) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Myocardin at approximately 105 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 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.

BACKGROUND

Myocardin (MYOCD) is a transcriptional co-activator necessary for differentiation of smooth muscle cells. MYOCD functions by binding the transcription factor Serum Response Factor (SRF) and stimulating smooth muscle cell-specific gene expression.

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