

Human/Mouse YY1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 854847 Catalog Number: MAB3784

DESCRIPTION		
Species Reactivity	Human/Mouse	
Specificity	Detects human YY1 in ELISAs. In direct ELISAs, no cross-reactivity with recombinant human Rex-1/ZFP42 is observed.	
Source	Monoclonal Mouse IgG _{2B} Clone # 854847	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	E. coli-derived recombinant human YY1 His75-Gln275 Accession # P25490	
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.	

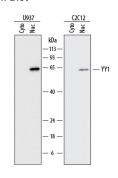
APPLICATIONS

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

DATA

Western Blot



Detection of Human and Mouse YY1 by Western Blot. Western blot shows lysates of U937 human histiocytic lymphoma cell line and C2C12 mouse myoblast cell line. Gels were loaded with 30 μg of U937 and 40 μg of C2C12 cytoplasmic (Cyto) extracts and 15 µg of U937 and 20 µg of C2C12 nuclear (Nuc) extracts. PVDF membrane was probed with $0.5~\mu g/mL$ of Mouse Anti-Human/Mouse YY1 Monoclonal Antibody (Catalog # MAB3784) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for YY1 at approximately 60-65 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution Sterile PBS to a final concentration of 0.5 mg/mL

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

YY1 (Yin Yang 1) is a multifunctional transcription factor belonging to the GLI-Kruppel class of zing finger proteins. YY1 is essential for embryogenesis, apoptosis, differentiation, cell growth and proliferation. YY1 binds to the DNA consensus site CGCCATNTT. It can function as an initiator of transcription as well as activating or repressing transcription through protein complexes (e.g. histone deacetylases and histone acetyltransferases).

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