

# Nogo-B Recombinant Rabbit Monoclonal Antibody (JM02-34)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	JM02-34
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human Nogo aa 111-160
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2810040

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (IHC)	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-
Flow Cytometry (Flow)	1:50-1:100	-
Immunoprecipitation (IP)	1:10-1:50	-

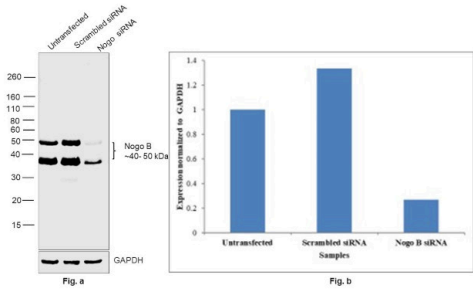
## Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For Nogo-B Recombinant Rabbit Monoclonal Antibody (JM02-34)

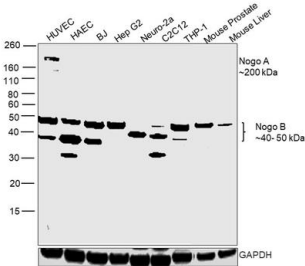
Nogo-B Antibody (MA5-32763)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. U-87 MG cells were transfected with Reticulon-4 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-Nogo-B Recombinant Rabbit Monoclonal Antibody (JM02-34) (Product # MA5-32763). {KD}



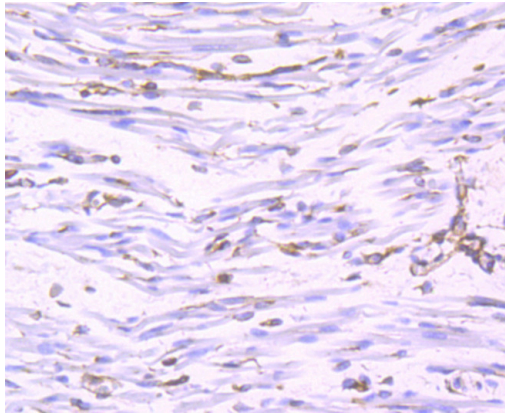
Nogo-B Antibody (MA5-32763) in WB

Western Blot was performed using Anti-Nogo-B Recombinant Rabbit Monoclonal Antibody (JM02-34) (Product # MA5-32763) and 40-50 kDa bands corresponding to Reticulon-4 was observed across all the cell lines and tissue lysates tested. An ~200 kDa band was also observed in HUVEC cell line that corresponds to Nogo-A. Membrane enriched extracts (30 µg lysate) of HUVEC (Lane 1), HAEC (Lane 2), BJ (Lane 3), Hep G2 (Lane 4), Neuro-2a (Lane 5), C2C12 (Lane 6), THP-1 (Lane 7) as well as Mouse Prostate (Lane 8) and Mouse Liver tissue lysates (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The Blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



Nogo-B Antibody (MA5-32763) in IHC (P)

Immunohistochemical analysis of Nogo-B of paraffin-embedded Human fetal skeletal muscle tissue using a Nogo-B Monoclonal antibody (Product #MA5-32763). Counter stained with hematoxylin.



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