

Human/Mouse Wnt-10a Antibody

Monoclonal Rat IgG₁ Clone # 342811 Catalog Number: MAB34691

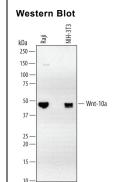
DESCRIPTION			
Species Reactivity	Human/Mouse		
Specificity	Detects mouse and human Wnt-10a in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant mouse V -2, -2b, -3a, -4, -5a, -5b, recombinant human (rh) Wnt-6 or rhWnt-7a is observed.		
Source	Monoclonal Rat IgG ₁ Clone # 342811		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	E. coli-derived recombinant mouse Wnt-10a Leu55-Glu95 and Gln278-Arg360 Accession # P70701		
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	2 μg/mL	See Below

DATA



Detection of Human and Mouse Wnt-10a by Western Blot. Western Blot shows lysates of Raji human Burkitt's lymphoma cell line and NIH-3T3 mouse embryonic fibroblast cell line. PVDF membrane was probed with 2 µg/mL of Rat Anti-Mouse Wnt-10a Monoclonal Antibody (Catalog # MAB34691) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). A specific band was detected for Wnt-10a at approximately 46 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.

ShippingThe 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

- 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

Wnt-10a is a presumably secreted, glycosylated member of the Wnt family of developmental proteins. Mouse Wnt-10a is synthesized as a 417 amino acid (aa) precursor that contains a 382 aa mature region. The mature region contains 24 cysteines and two potential N-linked glycosylation sites. Mature mouse Wnt-10a shares 96% and 99% aa sequence identity with mature human and rat Wnt-10a, respectively. Wnt-10a shares 64% aa sequence identity with Wnt-10b/12. Wnt-10a is produced by tumors and thymic epithelium.

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