

DESCRIPTION

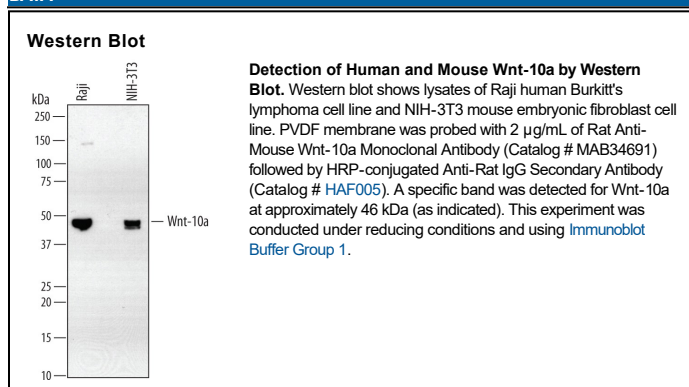
Species Reactivity	Human/Mouse
Specificity	Detects mouse and human Wnt-10a in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant mouse Wnt-1, -2, -2b, -3a, -4, -5a, -5b, recombinant human (rh) Wnt-6 or rhWnt-7a is observed.
Source	Monoclonal Rat IgG ₁ Clone # 342811
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -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



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. <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.

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.