

## DESCRIPTION

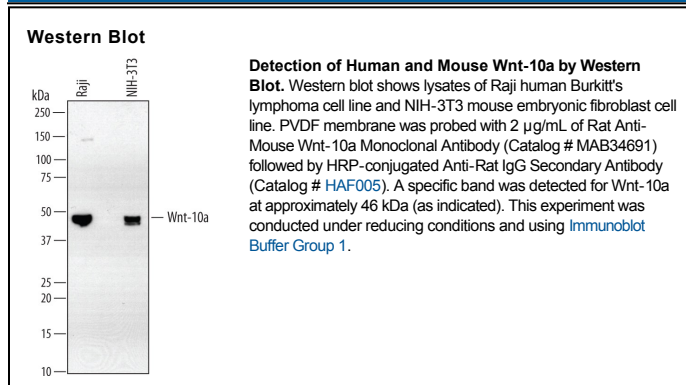
<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects mouse and human Wnt-10a in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant mouse Wnt-1, -2, -2b, -3a, -4, -5a, -5b, recombinant human (rh) Wnt-6 or rhWnt-7a is observed.
<b>Source</b>	Monoclonal Rat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

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.