

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Wnt-10b in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse (rm) Wnt-3a, rmWnt-4, rmWnt-5a, and rmWnt-8a is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Wnt-10b peptide Leu42-Glu82, Arg263-Arg332 Accession # P48614
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 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	0.1 µg/mL	Recombinant Mouse Wnt-10b

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
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	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <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-10b (also known as Wnt-12) is a 45 kDa glycoprotein involved in fetal limb bud development and adult hematopoiesis. Mouse Wnt-10b exists as two isoforms: a 361 amino acid (aa) long form and a 265 aa short form that lacks a 95 aa internal sequence. Wnt-10b is less than 60% aa identical to other Wnts, but mouse to human, Wnt-10b shows almost complete aa sequence identity at > 97%.