

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
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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