

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects recombinant human Wnt-9a in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human Wnt-2, -7a, -7b, recombinant mouse Wnt-1, -2b, -3a, -4, -5a, -5b, -8a, -8b, -9b, -10a, -10b, -11, or -16 is observed
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 326707
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human Wnt-9a Pro48-Glu92 & Arg231-Phe304 Accession # O14904.2
<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.

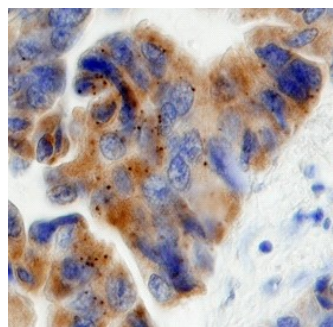
## APPLICATIONS

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	Recombinant Human Wnt-9a under non-reducing conditions only
<b>Immunohistochemistry</b>	8-25 µg/mL	See Below

## DATA

### Immunohistochemistry



#### Wnt-9a in Human Breast Cancer Tissue.

Wnt-9a was detected in immersion fixed paraffin-embedded sections of human breast cancer tissue using 15 µg/mL Mouse Anti-Human Wnt-9a Monoclonal Antibody (Catalog # MAB31571) overnight at 4 °C. Before incubation with the primary antibody tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained with the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<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-9a (formerly Wnt14) is a member of the Wnt family, which are ligands for frizzled family receptors. Wnt-9a is a secreted glycoprotein expressed in skeletal muscle and heart as well as in B-CLL (B cell chronic lymphocytic leukemia) and gastric, pancreatic and breast cancer cells. Human Wnt-9a shares 98% aa sequence identity with mouse and rat Wnt-9a.