

DESCRIPTION

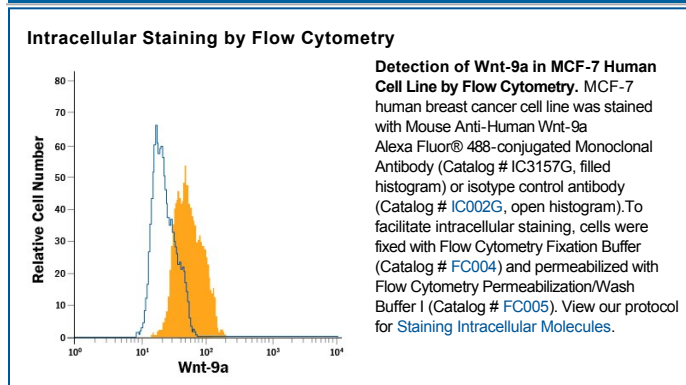
| | |
|---------------------------|--|
| Species Reactivity | Human |
| Specificity | Detects human Wnt-9a in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human Wnt-2, -3a, -6, -7a, -7b, recombinant mouse Wnt-1, -2b, -4, -5a, -5b, -8a, -8b, -9b, -10a, -10b, -11, or -16 is observed. |
| Source | Monoclonal Mouse IgG ₁ Clone # 326711 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | <i>E. coli</i> -derived recombinant human Wnt-9a Pro48-Glu92 & Arg231-Phe304 Accession # O14904.2 |
| Conjugate | Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm |
| Formulation | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

| | Recommended Concentration | Sample |
|---|----------------------------|-----------|
| Intracellular Staining by Flow Cytometry | 5 µL/10 ⁶ cells | See Below |

DATA



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. <ul style="list-style-type: none"> ● 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

Wnt-9a (Wingless integration site family member 9a), formerly Wnt-14, is a 45-47 kDa member of the Wnt family of proteins, which are ligands for frizzled family receptors. Wnt-9a is a secreted glycoprotein expressed in both embryo and adult. It is found in embryonic mesenchyme adjacent to cartilage, and in lung at the tips of developing bronchioles. In adult, it is found throughout the liver, in hepatocytes, stellate sinusoidal cells, biliary epithelium and endothelium. It also appears in colonic epithelium and in many tumor cell types. It would appear that Wnt-9a binds to Fzd-7 and -9. Human Wnt-9a shares 98% aa sequence identity with mouse and rat Wnt-9a.

PRODUCT SPECIFIC NOTICES

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