

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Claudin-11 in direct ELISAs and Western blots. Stains human Claudin-11 transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG _{2B} Clone # 398205
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Claudin-11 Met1-Val207 Accession # O75508
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL 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
Flow Cytometry	0.25-1 µg/10 ⁶ cells	OVCAR-3 human ovarian carcinoma cell line

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

Claudin-11 is a 207 amino acid multipass membrane protein in the claudin family of epithelial tight junction proteins. Claudin-11 is widely expressed and is involved in epithelial remodeling during spermatogenesis and inner ear mechanotransduction. Claudin-11 is up-regulated in some cancers. Human Claudin-11 shares 94% aa sequence identity with mouse and rat Claudin-11.

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