

Human Claudin-10b Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 394513

Catalog Number: FAB4279U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Claudin-10b. Stains human Claudin-10b transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG _{2B} Clone # 394513
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Claudin-10 b Isoform Met1-Val228 Accession # P78369
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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	HepG2 human hepatocellular 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. ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Claudin-10 is a 228 amino acid multipass membrane protein in the Claudin family of epithelial tight junction proteins. Two splice forms of human Claudin-10 have been described with a divergent N-terminal extracellular loop. Claudin-10b (Swiss-Prot isoform 1) is relatively cation-permeant compared to Claudin-10a and is widely expressed, while Claudin-10a is restricted to the kidney cortex. Claudin-10 is overexpressed in some carcinomas. Human Claudin-10b shares 94% aa sequence identity with mouse and rat Claudin-10.

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