Human TMEM87A
Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 772807

Catalog Number: FAB7966G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TMEM87A in ELISAs and Western Blots
Source	Monoclonal Mouse IgG_{2B} Clone # 772807
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human TMEM87A Ser22-Asn157 Accession # Q8NBN3
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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	PC-3 human prostate cancer 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

TMEM87A (Transmembrane protein 87A) is predicted to be a 6-transmembrane, 555 amino acid (aa) glyco- and phospho-protein that is expressed on the cell surface. Its expression in the mammary gland is upregulated when there is a loss of caveolin-1 expression, which may confer susceptibility to breast cancer. Within the region used as an immunogen, human TMEM87A shares 83% aa sequence identity with mouse and rat TMEM87A. A potential isoform of 181 aa diverges C-terminal to aa 169, while another of 494 aa is divergent N-terminal to aa 70.

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