

Human TEM5/GPR124 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 499716

Catalog Number: FAB8896R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TEM5/GPR124 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 499716
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human TEM5/GPR124 Met1-Leu699 Accession # Q96PE1
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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	HEK293 human embryonic kidney cell line transfected with human TEM5/GPR124 and eGFP

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

G protein-coupled receptor 124 (GPR124, also known as TEM5), is a member of the adhesion family of G protein coupled receptors and is localized on the surface of endothelial cells. GPR124 is abundantly expressed in tumor vessels, heart, placenta, ovary, small intestine, and colon. This receptor mediates endothelial cell survival during angiogenesis by linking integrin to glycosaminoglycans. GPR124 has also been shown to interact with DLG1 through its PDZ-binding motif.

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