

DESCRIPTION

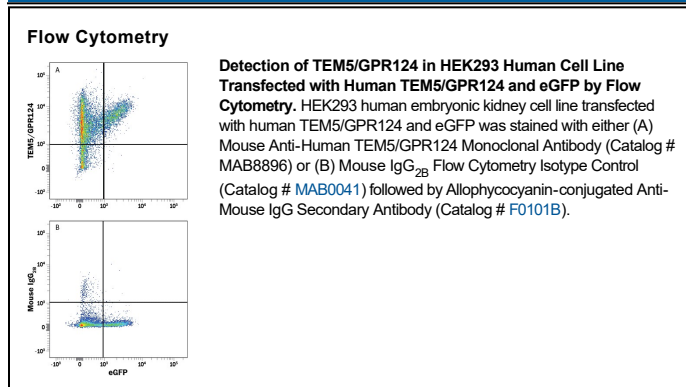
Species Reactivity	Human
Specificity	Detects human TEM5/GPR124 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 499716
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human TEM5/GPR124 Met1-Leu699 Accession # Q96PE1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.