

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PEG10 in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 981902
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human PEG10 Accession # Q86TG7
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ cells	HepG2 Human Cell line fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012)

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

Paternally Expressed Gene-10, or PEG10 (a.k.a Retrotransposon-derived protein PEG10, EDR, MART2, MEF3L1 and RGAG3) is a 708 amino acids (aa) protein encoded by the PEG10 gene. PEG-10 Inhibits the TGF-beta signaling by interacting with the TGF-beta receptor ALK1, possibly playing a key role in epithelial-mesenchymal transition (EMT). PEG-10 has been suggested to participate in cell proliferation, differentiation and cell apoptosis processes and identified as a prognostic biomarker for progression of several carcinomas, like breast, lung, liver and pancreatic carcinomas.

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