

# **Human PEG10 Antibody**

Monoclonal Mouse IgG<sub>2A</sub> Clone # 981902 Catalog Number: MAB99751

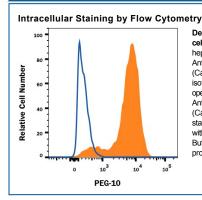
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human PEG10 in direct ELISAs.	
Source	Monoclonal Mouse IgG <sub>2A</sub> Clone # 981902	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	Synthetic peptide containing human PEG10 Accession # Q86TG7	
Formulation	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	
Intracellular Staining by Flow Cytometry	0.25 μg/10 <sup>6</sup> cells	See Below	
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.		
LISA This antibody functions as an ELISA capture antibody when paired with Mouse Ant Antibody (Catalog # MAB9975).		ns as an ELISA capture antibody when paired with Mouse Anti-Human PEG10 Monoclonal MAB9975).	
	This product is intend	led for assay development on various assay platforms requiring antibody pairs.	

#### DATA



Detection of PEG-10 in Human HepG2 cell line by Flow Cytometry. HepG2 human hepatoma cell line was stained with Mouse Anti-Human PEG-10 Monoclonal Antibody (Catalog # MAB99751, filled histogram) or isotype control antibody (Catalog # MAB003, open histogram), followed by PE-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0102B). To facilitate intracellular staining, cells were fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012). View our protocol for Staining Intracellular Molecules.

## 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.

- 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

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.

Rev. 9/13/2018 Page 1 of 1

