Human PEG10 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 981918

Catalog Number: FAB9975R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects Human PEG10 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2A} Clone # 981918
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human PEG10
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.*

ELISA	Optimal dilution of this antibody should be experimentally determined.

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

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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