

DESCRIPTION

Species Reactivity	Human
Specificity	Detects a synthetic peptide specific for human POU2F3 around amino acid 100 in Direct ELISA.
Source	Monoclonal Mouse IgG _{2A} Clone # 1091214
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic Peptide Accession # Q9UKI9
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

Immunohistochemistry 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

POU2F3 is a 47 kDa transcription factor involved in the regulation of the differentiation of keratinocytes. It is also a part of the POU2F3-POU2AF2/POU2AF3 complex that drives the expression of tuft-cell-specific genes. Normal and neoplastic tuft cells share a genetic requirement for POU2F3. POU2F3 is utilized as an ancillary marker for the diagnosis of neuroendocrine-low small cell lung cancer. It is also positive in mesenchymal and neuroectodermal tumors including synovial carcinoma, solitary fibrous tumor, glioblastoma, Wilms tumor and melanoma.

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