

## DESCRIPTION

|                                                                                                                                                                                                         |                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b>                                                                                                                                                                               | Human                                                                                        |
| <b>Specificity</b>                                                                                                                                                                                      | Detects a synthetic peptide specific for human POU2F3 around amino acid 100 in Direct ELISA. |
| <b>Source</b>                                                                                                                                                                                           | Monoclonal Mouse IgG <sub>2A</sub> Clone # 1091214                                           |
| <b>Purification</b>                                                                                                                                                                                     | Protein A or G purified from hybridoma culture supernatant                                   |
| <b>Immunogen</b>                                                                                                                                                                                        | Synthetic Peptide<br>Accession # Q9UKI9                                                      |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 350<br>Excitation Wavelength: 346 nm<br>Emission Wavelength: 442 nm              |
| <b>Formulation</b>                                                                                                                                                                                      | 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.

## PRODUCT SPECIFIC NOTICES

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