

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human TCF-3/E2A in direct ELISAs. In this format, 100% cross-reactivity with recombinant human (rh) TCF-12 is observed and no cross-reactivity with rhTCF-1, 2, 4, 7L1, 7L2 or rhLEF-1 is observed.                                                                 |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2B</sub> Clone # 401709                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human TCF-3/E2A<br>Gly100-Glu500<br>Accession # NP_003191                                                                                                                                                                               |
| <b>Conjugate</b>          | Alexa Fluor 488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

**Immunocytochemistry** 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

TCF-3, also known as E2A and ITF-1, is a member of the E protein homeobox family. TCF-3 regulates checkpoints that allow B lineage commitment and B and T cell receptor gene rearrangement. Two isoforms named E12 and E47 are alternatively spliced within the DNA binding and HLH domain. The region of human TCF-3 used as the immunogen, which is identical for E12 and E47, shares 80% and 79% aa identity with mouse and rat TCF-3, respectively.

## PRODUCT SPECIFIC NOTICES

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