

DESCRIPTION

Species Reactivity	Human
Specificity	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.
Source	Monoclonal Rat IgG _{2B} Clone # 401709
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human TCF-3/E2A Gly100-Glu500 Accession # NP_003191
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.

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.

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