

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse TCF7/TCF1 in ELISA and Western Blot.
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # 812145
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse TCF7/TCF1 Gly61-Gly116 Accession # Q00417
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	EL-4 mouse lymphoblast cell line fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005)

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

TCF7 (Transcription factor 7), also called TCF1 (T cell factor 1) is a member of the lymphoid enhancer binding factor family of proteins that is expressed in thymocytes and mature T cells. In resting cells, TCF family members are transcriptional repressors, and are 25-32 kDa in size. Following activation, the large TCF7/TCF1 isoform (isoform 2, chosen as 'canonical') predominates (419 amino acids, 42-50 kDa), and serves a transcriptional activator function. The use of an alternate start site at Met116 seems to characterize repressor isoforms. Within aa 61-116 of the large form, mouse TCF7/TCF1 shares 77% aa sequence identity with human TCF7/TCF1.

#### PRODUCT SPECIFIC NOTICES

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