

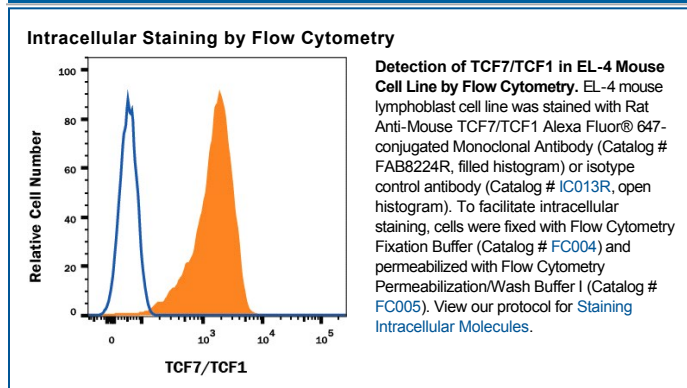
| DESCRIPTION               |  |
|---------------------------|--|
| <b>Species Reactivity</b> | Mouse  |
| <b>Specificity</b>        | Detects mouse TCF7/TCF1 in ELISA and Western Blot.   |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2B</sub> Clone # 812145  |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant mouse TCF7/TCF1<br>Gly61-Gly116<br>Accession # Q00417  |
| <b>Conjugate</b>          | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm  |
| <b>Formulation</b>        | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<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.

|  | Recommended Concentration       | Sample    |
|--|---------------------------------|-----------|
| Intracellular Staining by Flow Cytometry | 0.25-1 µg/10 <sup>6</sup> cells | See Below |

**DATA**



**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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