

TCF3 Ab

Cat.#: BF0632
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Mouse

Mol.Wt.: 67.6kDa
Clonality: Monoclonal

Application: ELISA 1/10000, WB 1/500 - 1/2000, FCM 1/200 - 1/400

Reactivity: Human

Purification: Affinity-chromatography.

Specificity: TCF3 Ab detects endogenous levels of total TCF3.

Immunogen: Purified recombinant fragment of human TCF3 expressed in E. Coli.

Uniprot: P15923

Description: E2A is a transcription factor that plays major roles in determining tissue-specific cell fate during embryogenesis, like muscle or early B-cell differentiation. Heterodimers between E2A and tissue-specific basic helix-loop-helix (bHLH) Dimers bind DNA on E-box motifs: 5'- CANNTG-3'. Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer. Deletions in E2A have been observed in a subset of pre-B-cell acute lymphoblastic leukemia (B-ALL) cases. Two alternatively spliced human isoforms have been described.

Subcellular Location: Nucleus.

Similarity: the 9aaTAD motif is a transactivation domain present in a large number of yeast and animal transcription factors.

Storage Condition and Buffer: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

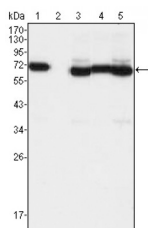


Figure 1: Western blot analysis using TCF3 mouse mAb against A549 (1), A431 (2), HeLa (3), PANC-1 (4) and PC-3 (5) cell lysate.

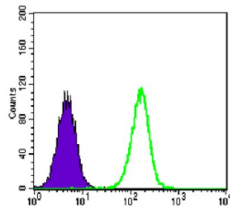


Figure 2: Flow cytometric analysis of A549 cells using anti-TCF3 mAb (green) and negative control (purple).

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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