

DESCRIPTION

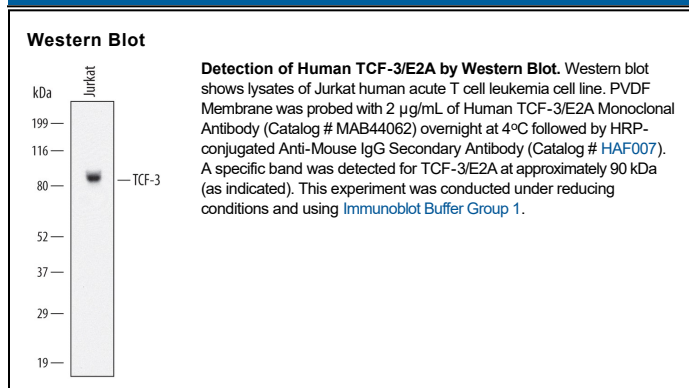
Species Reactivity	Human
Specificity	Detects human TCF-3/E2A in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) TCF-1 (aa 116-233), rhTCF-1 (aa 217-358), rhTCF-1 alpha/LEF-1, rhTCF-2, rhTCF-4, rhTCF-12, rhTCF7L1 (aa 151-320), rhTCFL1 (aa 429-581), or rhTCF7L2 (aa 131-300) is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 401703
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E.coli</i> -derived recombinant human TCF-3/E2A Gln100-Glu500 Accession # NP_003191
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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
Western Blot	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.