

DESCRIPTION

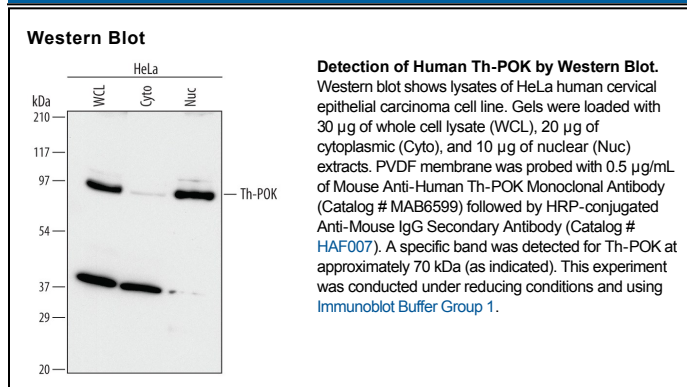
Species Reactivity	Human
Specificity	Detects human Th-POK in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 615819
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> derived human Th-POK Gly78-Ser172 Accession # Q64321
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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	0.5 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

Th-POK (T helper-inducing POZ/Kruppel-like factor; also hKrox-a and zinc finger and BTB domain-containing protein 7B) is a 62-68 kDa member of the Krox family of transcription factors. It is expressed in immature T cells where it promotes commitment to the CD4⁺ T cell lineage. It is also expressed in fibroblasts and chondrocytes where it promotes type I and type II collagen secretion. Human Th-POK is 539 amino acids (aa) in length. It contains a BTB/POZ domain (aa 34-115) that mediates homo- and heterodimerization with hKROX-b and -g, a Pro-rich segment (aa 181-196), and four C-terminal C2H2-type zinc finger regions (aa 346-454). There is one variant that shows a 34 aa N-terminal extension. Over aa 78-172, human Th-POK is 97% aa identical to mouse Th-POK.