

## **Human Th-POK Antibody**

Monoclonal Mouse IgG<sub>2A</sub> Clone # 615819 Catalog Number: MAB6599

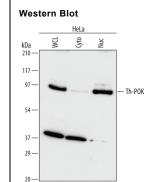
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Th-POK in direct ELISAs.
Source	Monoclonal Mouse IgG <sub>2A</sub> Clone # 615819
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli derived human Th-POK Gly78-Ser172 Accession # Q64321
Formulation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

## DATA



Detection of Human Th-POK by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line. Gels were loaded with 30 μg of whole cell lysate (WCL), 20 μg of cytoplasmic (Cyto), and 10 μg of nuclear (Nuc) extracts. PVDF membrane was probed with 0.5 μg/mL of Mouse Anti-Human Th-POK Monoclonal Antibody (Catalog # MAB6599) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Th-POK at approximately 70 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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PREPA	RATION	AND	SIU	RAGE

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

- 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 hcKrox-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<sup>+</sup> 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 hcKROX-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.

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