

## **Human TBX18 Antibody**

Monoclonal Mouse IgG<sub>2B</sub> Clone # 635303 Catalog Number: MAB6337

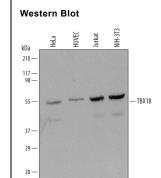
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human TBX18 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG <sub>2B</sub> Clone # 635303
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant human TBX18 Ala384-Ser504 Accession # 095935
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 and Mouse TBX18 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, HUVEC human umbilical vein endothelial cells, Jurkat human acute T cell leukemia cell line, and NIH-3T3 mouse embryonic fibroblast cell line. PVDF Membrane was probed with 0.5 µg/mL of Mouse Anti-Human TBX18 Monoclonal Antibody (Catalog # MAB633T) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF00T). A specific band was detected for TBX18 at approximately 65 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS

**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**

TBX18 is a 607 amino acid, 65 kDa (predicted) protein that is a member of the T-box family of developmentally expressed transcription factors. It is developmentally expressed in the anterior portion of the head, somites and limb buds. It is expressed on pluripotent progenitors in the developing epicardium where it is required for formation of the cardiac AV node, and can also contribute to fibroblast and smooth muscle formation. Within the region used as an immunogen, human TBX18 shares 93% amino acid identity with mouse and rat TBX18.

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