

## TCF7 Antibody

Mouse Monoclonal Antibody [Clone TCF7/7631]

Catalog No	Format	Size
6932-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6932-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6932-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

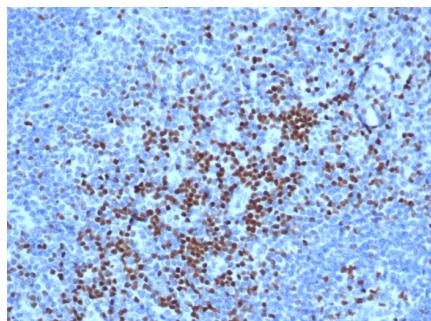
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

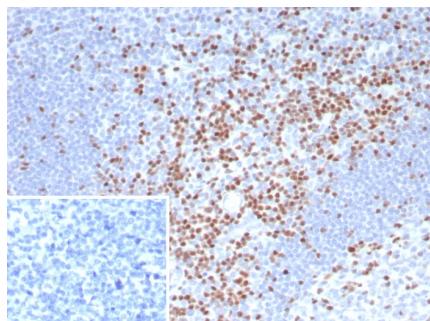
Clone	TCF7/7631
Gene Name	TCF7
Immunogen	Recombinant fragment (around aa200-400) of human TCF7 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	41.6kDa
Cellular Localization	Membrane.
Species Reactivity	Human
Positive Control	adrenal gland or colon. Human spleen lung

\*Optimal dilution for a specific application should be determined.

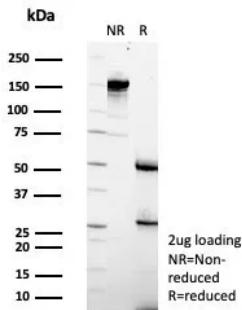
### Product Images for TCF7 Antibody



Formalin-fixed, paraffin-embedded human lymph node stained with TCF7 Mouse Monoclonal Antibody (TCF7/7631). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded human tonsil stained with TCF7 Mouse Monoclonal Antibody (TCF7/7631). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified TCF7 Mouse Monoclonal Antibody (TCF7/7631).  
Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

Transcriptional activator involved in T-cell lymphocyte differentiation. Necessary for the survival of CD4(+) CD8(+) immature thymocytes. Isoforms lacking the N-terminal CTNNB1 binding domain cannot fulfill this role. Binds to the T-lymphocyte-specific enhancer element (5'-WWCAAAG-3') found in the promoter of the CD3E gene. Represses expression of the T-cell receptor gamma gene in alpha-beta T-cell lineages (By similarity). Required for the development of natural killer receptor-positive lymphoid tissue inducer T-cells (By similarity). TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7 and CTNNB1. May also act as feedback transcriptional repressor of CTNNB1 and TCF7L2 target genes.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Breast Cancer, Cardiovascular, Developmental Biology, Nuclear Marker, Signal Transduction, Transcription Factors