BOSTER BIOLOGICAL TECHNOLOGY
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Anti-TDT DNTT Monoclonal Antibody

Catalog Number: M05546

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Overview

Product Name	Anti-TDT DNTT Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TDT DNTT Monoclonal Antibody catalog # M05546. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal AFHA-4
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P04053

Technical Details

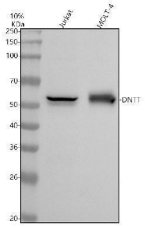
Immunogen	A synthesized peptide derived from human TDT Template-independent DNA polymerase which catalyzes the random addition of deoxynucleoside 5'-triphosphate to the 3'-end of a DNA initiator. One of the in vivo functions of this enzyme is the addition of nucleotides at the junction (N region) of rearranged Ig heavy chain and T-cell receptor gene segments during the maturation of B- and T-cells.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml

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Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000 IHC, 1:50-200

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Anti-TDT DNTT Monoclonal Antibody (M05546) Images



Western blot analysis of TDT using anti-TDT antibody (M05546). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates, Lane 2: human MOLT-4 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TDT antigen affinity purified monoclonal antibody (M05546) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for TDT at approximately 59 kDa. The expected band size for TDT is at 59 kDa.

1 Publications Citing This Product

1. PubMed ID: 28186502, Jiang Y, Yu M, Hu X, Han L, Yang K, Ba H, Zhang Z, Yin B, Yang XP, Li Z, Wang J. Cell Death Differ. 2017 Apr;24(4):660-671. doi: 10.1038/cdd.2016.162. Epub 2017 Feb 10. STAT1 mediates transmembrane TNF-alpha-induced formation of death-inducing sig...

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