

## Anti-Diphtheria Toxin Mouse Monoclonal Antibody

Catalog No. MDT-213-003

<b>Introduction</b>	Diphtheria toxin is a single polypeptide chain of 535 amino acids consisting of two subunits linked by disulfide bridges, known as an A-B toxin. Binding to the cell surface of the B subunit (the less stable of the two subunits) allows the A subunit (the more stable part of the protein) to penetrate the host cell.
<b>Applications</b>	Sandwich ELISA or other applications.
<b>Description</b>	Mouse anti-Diphtheria toxin monoclonal antibody.
<b>Immunogen</b>	Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with supernatant from <i>C. diphtheriae</i> .
<b>Specificity</b>	Anti-Diphtheria toxin antibody from clone DiD1 reacts in WB with the epitope of free B subunit and on whole Diphtheria toxin molecules but not with free A subunit; antibody from clone 3B6 reacts with different determinants of Diphtheria toxin and anatoxin, but does not react with free A or B subunits of Diphtheria toxin.
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Mouse 3B6
<b>Purification</b>	Chromatography on protein G Sepharose.
<b>Storage</b>	Store at -20 °C (up to 12 months); Stable for at least 1 month from the date of shipment at 4 °C.
<b>Concentration</b>	1 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.
<b>Size</b>	100 µg
<b>Usage</b>	This product does not contain livestock or poultry disease agents, non-toxic/non-contagious and is not intended for human use, only for laboratory research and development.

