

Anti-Diphtheria Toxin antibody, mouse monoclonal (cdt-01)

Product code	64-012
Size	100 µg
Storage	-20°C
Concentration	1.0 mg/ml
Buffer	PBS ⁻ with 50% glycerol
Purity	Purified IgG fraction with protein A from hybridoma cell culture medium
Immunogen	Toxoid (Diphtheria toxin derived from PWB strain)
Isotype	mouse IgG κ
Reactivity	React with Diphtheria toxin
Validation	Specificity has been validated by western blotting
Application	1. Western blotting: x1/400-800 (Fig.1)
Background	<i>Corynebacterium diphtheriae</i> infects the nasopharynx or skin. Toxigenic strains secrete a potent exotoxin which may cause diphtheria. The symptoms of diphtheria include pharyngitis, fever, swelling of the neck or area surrounding the skin lesion. Diphtheria toxin is composed of a single polypeptide chain of 535 amino acids (58 kDa) and nicked by cellular protease to give fragments A (C-domain, 21 kDa, aa 1-193) and B (37 kDa, aa194-535) which are linked by disulfide bridges. Binding to the cell surface of fragment B allows fragment A to penetrate the host cell.
Data Link	UniProtKB : Q5PY51_CORDP
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 64-012 Anti-Diphtheria toxin antibody, mouse monoclonal (cdt-01)

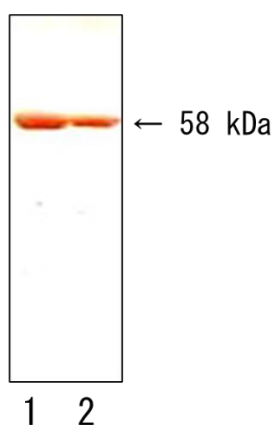


Fig.1. Western blotting (WB) of cdt-01 antibody.

Diphtheria toxin (BioAcademia, 01-517, 1 : 1 μ g, 2 : 0.5 μ g) was applied to SDS-PAGE and WB. The antibody was used at 1/400 dilution. The HRP-conjugated goat anti-mouse IgG was used at 1/4,000 as the second antibody and visualized by DAB (3,3'-Diaminobenzidine). A protein band 58 kDa in size corresponds to the expected size of the diphtheria toxin.

References : This antibody has not yet been used in publication.

Related products :

01-517 Diphtheria toxin, functional

64-010 Anti-Diphtheria Toxin, rabbit serum

64-011 Anti-Diphtheria Toxin antibody, rabbit polyclonal