DTD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DTD, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli O81 (strain ED1a) DTD Polyclonal Antibody
Product Gene Name	anti-DTD antibody
Product Synonym Names	DTD Antibody; D-aminoacyl-tRNA deacylase; DTD; EC 3.1.1.96; Gly-tRNA(Ala; deacylase; EC 3.1.1.-; dtd ECED1_4587
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	E Coli O81 (strain ED1a)
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Purity/Purification	Antigen-affinity
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	15,936 Da
3D Structure	ModBase 3D Structure for B7N2M8
Immunogen	Recombinant Escherichia coli O81 (strain ED1a) dtd protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DTD antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-DTD antibody	MBS7174904 is an antibody targeting DTD. Also known as Rabbit anti-Escherichia coli O81 (strain ED1a) DTD Polyclonal Antibody. Reactive in E Coli O81 (strain ED1a). Host: Rabbit.
Other Notes	Small volumes of anti-DTD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DTD. It may not necessarily be applicable to this product.

NCBI GI #	446483124
NCBI Accession #	WP_000560978.1
UniProt Primary Accession #	B7N2M8
GenBank Nucleotide #	WP_000560978.1
NCBI Official Full Name	MULTISPECIES: D-aminoacyl-tRNA deacylase

UniProt Protein Name	D-aminoacyl-tRNA deacylase
UniProt Synonym Protein Names	Gly-tRNA(Ala) deacylase
Protein Family	Putative D-aminoacyl-tRNA deacylase-like protein
UniProt Gene Name	dtd
UniProt Synonym Gene Names	DTD
UniProt Comments for DTD	An aminoacyl-tRNA editing enzyme that deacylates mischarged D-aminoacyl-tRNAs. Also deacylates mischarged glycyl-tRNA(Ala), protecting cells against glycine mischarging by AlaRS. Acts via tRNA-based rather than protein-based catalysis; rejects L-amino acids rather than detecting D-amino acids in the active site. By recycling D-aminoacyl-tRNA to D-amino acids and free tRNA molecules, this enzyme counteracts the toxicity associated with the formation of D-aminoacyl-tRNA entities in vivo and helps enforce protein L-homochirality.
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