MLTA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MLTA, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) MLTA Polyclonal Antibody
Product Gene Name	anti-MLTA antibody
Product Synonym Names	MLTA Antibody; Membrane-bound lytic murein transglycosylase A; EC 4.2.2.n1; Mlt38; Murein hydrolase A; mltA mlt ygdM b2813 JW2784
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	E Coli (strain K12)
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	40,411 Da
3D Structure	ModBase 3D Structure for P0A935
Immunogen	Recombinant Escherichia coli (strain K12) mltA protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MLTA antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-MLTA antibody	MBS7163012 is an antibody targeting MLTA. Also known as Rabbit anti-Escherichia coli (strain K12) MLTA Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-MLTA 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 MLTA. It may not necessarily be applicable to this product.

NCBI GI #	16130720
NCBI GeneID	944964
NCBI Accession #	NP_417293.1
UniProt Primary Accession #	P0A935
UniProt Secondary Accession #	P46885; P76638; Q2MA21; Q46928

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	membrane-bound lytic murein transglycosylase A
NCBI Official Symbol	mltA
NCBI Official Synonym Symbols	ECK2809; JW2784; mlt; ygdM
UniProt Protein Name	Membrane-bound lytic murein transglycosylase A
UniProt Synonym Protein Names	Mlt38; Murein hydrolase A
Protein Family	Membrane-bound lytic murein transglycosylase
UniProt Gene Name	mltA
UniProt Synonym Gene Names	mlt; ygdM
NCBI Protein Information	membrane-bound lytic murein transglycosylase A
NCBI Summary for MLTA	MltA cleaves the glycosidic bonds between the N-acetylmuramic acid and N-acetylglucosamine residues in murein. [More information is available at EcoGene: EG13085]. MltA is one of six (along with MltB, MltC, MltD, EmtA, and Slt70) major lytic endotransglycosylases expressed in Escherichia coli. [More information is available at EcoCyc: G7457].
UniProt Comments for MLTA	Murein-degrading enzyme. May play a role in recycling of muropeptides during cell elongation and/or cell division. Degrades murein glycan strands and insoluble, high-molecular weight murein sacculi.
Research Articles on MLTA	**1.** crystallographic analysis of Escherichia coli Lytic transglycosylase MltA with bound chitohexaose
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