MTGA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MTGA, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli O45:K1 (strain S88/ExPEC) MTGA Polyclonal Antibody
Product Gene Name	anti-MTGA antibody
Product Synonym Names	MTGA Antibody; Biosynthetic peptidoglycan transglycosylase; EC 2.4.1.129; Glycan polymerase; Peptidoglycan glycosyltransferase MtgA; PGT; mtgA ECS88_3592
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	E Coli O45:K1 (strain S88/ExPEC)
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	27,340 Da
Chromosome Location	NC_011742.1 (3556463..3557191, complement)
3D Structure	ModBase 3D Structure for B7MBX7
Immunogen	Recombinant Escherichia coli O45:K1 (strain S88 / ExPEC) mtgA protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MTGA antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-MTGA antibody	MBS7174733 is an antibody targeting MTGA. Also known as Rabbit anti-Escherichia coli O45:K1 (strain S88/ExPEC) MTGA Polyclonal Antibody. Reactive in E Coli O45:K1 (strain S88/ExPEC). Host: Rabbit.
Other Notes	Small volumes of anti-MTGA 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 MTGA. It may not necessarily be applicable to this product.

NCBI GI #	218560278
NCBI GeneID	7132132
NCBI Accession #	YP_002393191.1
UniProt Primary Accession #	B7MBX7

UniProt Related Accession #	B7MBX7
GenBank Nucleotide #	NC_011742.1
NCBI Official Full Name	monofunctional biosynthetic peptidoglycan transglycosylase
NCBI Official Symbol	mtgA
UniProt Protein Name	Monofunctional biosynthetic peptidoglycan transglycosylase
Protein Family	Monofunctional biosynthetic peptidoglycan transglycosylase
UniProt Gene Name	mtgA
UniProt Synonym Gene Names	Monofunctional TGase
UniProt Entry Name	MTGA_ECO45
NCBI Protein Information	monofunctional biosynthetic peptidoglycan transglycosylase
UniProt Comments for MTGA	Function: Cell wall formation By similarity. HAMAP-Rule MF_00766 Pathway: Cell wall biogenesis; peptidoglycan biosynthesis. HAMAP-Rule MF_00766 Subcellular location: Cell membrane; Single-pass membrane protein Potential HAMAP-Rule MF_00766. Sequence similarities: Belongs to the glycosyltransferase 51 family.
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