LEPA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LEPA, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli O45:K1 (strain S88/ExPEC) LEPA Polyclonal Antibody
Product Gene Name	anti-LEPA antibody
Product Synonym Names	LEPA Antibody; Elongation factor 4; EF-4; EC 3.6.5.n1; Ribosomal back-translocase LepA; lepA ECS88_2743
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	66,512 Da
3D Structure	ModBase 3D Structure for B7MIQ4
Immunogen	Recombinant Escherichia coli O45:K1 (strain S88 / ExPEC) lepA protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LEPA antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-LEPA antibody	MBS7174788 is an antibody targeting LEPA. Also known as Rabbit anti-Escherichia coli O45:K1 (strain S88/ExPEC) LEPA Polyclonal Antibody. Reactive in E Coli O45:K1 (strain S88/ExPEC). Host: Rabbit.
Other Notes	Small volumes of anti-LEPA 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 LEPA. It may not necessarily be applicable to this product.

NCBI GI #	446712825
NCBI Accession #	WP_000790169.1
UniProt Primary Accession #	B7MIQ4
GenBank Nucleotide #	WP_000790169.1
NCBI Official Full Name	MULTISPECIES: elongation factor 4

UniProt Protein Name	Elongation factor 4
UniProt Synonym Protein Names	Ribosomal back-translocase LepA
Protein Family	Elongation factor
UniProt Gene Name	lepA
UniProt Synonym Gene Names	EF-4
UniProt Comments for LEPA	Required for accurate and efficient protein synthesis under certain stress conditions. May act as a fidelity factor of the translation reaction, by catalyzing a one-codon backward translocation of tRNAs on improperly translocated ribosomes. Back-translocation proceeds from a post-translocation (POST) complex to a pre-translocation (PRE) complex, thus giving elongation factor G a second chance to translocate the tRNAs correctly. Binds to ribosomes in a GTP-dependent manner.
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