LLDD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LLDD, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) LLDD Polyclonal Antibody
Product Gene Name	anti-LLDD antibody
Product Synonym Names	LLDD Antibody; L-lactate dehydrogenase; EC 1.1.-.-; lldD lctD b3605 JW3580
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	42,728 Da
3D Structure	ModBase 3D Structure for P33232
Immunogen	Recombinant Escherichia coli (strain K12) lldD protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LLDD antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-LLDD antibody	MBS7157111 is an antibody targeting LLDD. Also known as Rabbit anti-Escherichia coli (strain K12) LLDD Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-LLDD 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 LLDD. It may not necessarily be applicable to this product.

NCBI GI #	16131476
NCBI GeneID	948121
NCBI Accession #	NP_418062.1
UniProt Primary Accession #	P33232
UniProt Secondary Accession #	Q2M7R9

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	L-lactate dehydrogenase, FMN-linked
NCBI Official Symbol	lldD
NCBI Official Synonym Symbols	ECK3595; JW3580; lct; lctD
UniProt Protein Name	L-lactate dehydrogenase
Protein Family	L-lactate dehydrogenase
UniProt Gene Name	lldD
UniProt Entry Name	LLDD_ECOLI
NCBI Protein Information	L-lactate dehydrogenase, FMN-linked
NCBI Summary for LLDD	Arc regulon. [More information is available at EcoGene: EG11963]. L-lactate dehydrogenase is an FMN-dependent membrane-associated dehydrogenase . [More information is available at EcoCyc: EG11963].
UniProt Comments for LLDD	Catalyzes the conversion of L-lactate to pyruvate. Seems to be a primary dehydrogenase in the respiratory chain. To a lesser extent, can also oxidize DL-alpha-hydroxybutyrate, but not D-lactate.
Research Articles on LLDD	**1.** These results are consistent with the hypothesis that LldR has a dual role, acting as a repressor or an activator of lldPRD operon.
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