

Rabbit Murein tetrapeptide carboxypeptidase Polyclonal Antibody | anti-LdcA antibody

Rabbit anti-Escherichia coli Murein tetrapeptide carboxypeptidase polyclonal Antibody

CATALOG # AAA118103	HOST Rabbit	REACTIVITY Escherichia coli	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Murein tetrapeptide carboxypeptidase; Polyclonal Antibody; Rabbit anti-Escherichia coli Murein tetrapeptide carboxypeptidase polyclonal Antibody; Murein tetrapeptide carboxypeptidase (EC 3.4.17.13) (LD-carboxypeptidase A) (Muramoyltetrapeptide carboxypeptidase); LdcA; ycgQ; anti-LdcA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Escherichia coli
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid; 0.1mol/L NaCl, 15mmol/L NaN ₃ , PH7.2
Sequence Length	304
Applicable Applications for anti-LdcA antibody	ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant Escherichia coli Murein tetrapeptide carboxypeptidase protein (1-304AA)
Research Area	Others
Immunogen	Recombinant Escherichia coli Murein tetrapeptide carboxypeptidase protein
Species	Escherichia coli (strain K12)
Research Area	Others
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

ADDITIONAL INFORMATION

Related Product Information for anti-LdcA antibody	Releases the terminal D-alanine residue from the cytoplasmic tetrapeptide recycling product L-Ala-gamma-D-Glu-meso-Dap-D-Ala. To a lesser extent, can also cleave D-Ala from murein derivatives containing the tetrapeptide, i.e. MurNAc-tetrapeptide, UDP-MurNAc-tetrapeptide, GlcNAc-MurNAc-tetrapeptide, and GlcNAc-anhMurNAc-tetrapeptide. Does not act on murein sacculi or cross-linked muropeptides. The tripeptides produced by the LcdA reaction can then be reused as peptidoglycan building blocks; LcdA is thereby involved in murein recycling. Is also essential for viability during stationary phase.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16129155
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NCBI GeneID	945756
NCBI Accession #	NP_415710.1
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P76008 ; O87499
NCBI Official Full Name	murein tetrapeptide carboxypeptidase; LD-carboxypeptidase A
NCBI Official Symbol	IdcA
NCBI Official Synonym Symbols	ECK1180; JW1181; ycgQ
NCBI Protein Information	murein tetrapeptide carboxypeptidase; LD-carboxypeptidase A
UniProt Protein Name	Murein tetrapeptide carboxypeptidase
UniProt Gene Name	IdcA
UniProt Synonym Gene Names	ycgQ
UniProt Entry Name	LDCA_ECOLI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/murein-tetrapeptide-carboxypeptidase-antibody-elisa/118103>