ISCA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ISCA, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli O45:K1 (strain S88/ExPEC) ISCA Polyclonal Antibody
Product Gene Name	anti-ISCA antibody
Product Synonym Names	ISCA Antibody; Iron-binding protein IscA; Iron-sulfur cluster assembly protein; iscA ECS88_2704
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	11,556 Da
3D Structure	ModBase 3D Structure for B7MIL8
Immunogen	Recombinant Escherichia coli O45:K1 (strain S88 / ExPEC) iscA protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ISCA antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-ISCA antibody	MBS7173224 is an antibody targeting ISCA. Also known as Rabbit anti-Escherichia coli O45:K1 (strain S88/ExPEC) ISCA Polyclonal Antibody. Reactive in E Coli O45:K1 (strain S88/ExPEC). Host: Rabbit.
Other Notes	Small volumes of anti-ISCA 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 ISCA. It may not necessarily be applicable to this product.

NCBI GI #	445951098
NCBI Accession #	WP_000028953.1
UniProt Primary Accession #	B7MIL8
GenBank Nucleotide #	WP_000028953.1
NCBI Official Full Name	MULTISPECIES: iron-sulfur cluster assembly accessory protein

UniProt Protein Name	Iron-binding protein IscA
UniProt Synonym Protein Names	Iron-sulfur cluster assembly protein
Protein Family	Iron-binding protein
UniProt Gene Name	iscA
UniProt Comments for ISCA	Is able to transfer iron-sulfur clusters to apo-ferredoxin. Multiple cycles of [2Fe2S] cluster formation and transfer are observed, suggesting that IscA acts catalytically. Recruits intracellular free iron so as to provide iron for the assembly of transient iron-sulfur cluster in IscU in the presence of IscS, L-cysteine and the thioredoxin reductase system TrxA/TrxB.
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