DCD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DCD, Polyclonal Antibody
Full Product Name	DCD Antibody
Product Gene Name	anti-DCD antibody
Product Synonym Names	PIF; AIDD; DSEP; HCAP; DCD-1
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification
Specificity	The antibody detects endogenous levels of total DCD protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	11,284 Da
OMIM	606634
3D Structure	ModBase 3D Structure for P81605
Immunogen	Fusion protein of human DCD
Product Categories/Family for anti-DCD antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DCD antibody	Immunohistochemistry (IHC)
Application Notes for anti-DCD antibody	IHC dilution: 1:30-150
Related Product Information for anti-DCD antibody	This antimicrobial gene encodes a secreted protein that is subsequently processed into mature peptides of distinct biological activities. The C-terminal peptide is constitutively expressed in sweat and has antibacterial and antifungal activities. The N-terminal peptide, also known as diffusible survival evasion peptide, promotes neural cell survival under conditions of severe oxidative stress. A glycosylated form of the N-terminal peptide may be associated with cachexia (muscle wasting) in cancer patients. Alternative splicing results in multiple transcript variants encoding different isoforms
Other Notes	Small volumes of anti-DCD 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.
Searchable Terms for DCD purchase	MBS8595753 is an antibody targeting DCD. Also known as DCD Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DCD. It may not necessarily be applicable to this product.

NCBI GI #	16751921
NCBI GeneID	117159
NCBI Accession #	NP_444513.1
UniProt Primary Accession #	P81605
UniProt Secondary Accession #	P58461; Q53YJ2; A5JHP2; A5JHP3
UniProt Related Accession #	P81605
GenBank Nucleotide #	NM_053283.3
NCBI Official Full Name	dermcidin isoform 1 preproprotein
NCBI Official Synonym Full Names	dermcidin
NCBI Official Symbol	DCD
NCBI Official Synonym Symbols	PIF; AIDD; DSEP; HCAP; DCD-1
UniProt Protein Name	Dermcidin
UniProt Synonym Protein Names	Preproteolysin
Protein Family	Bifunctional D-cysteine desulfhydrase/1-aminocyclopropane-1-carboxylate deaminase
UniProt Gene Name	DCD
UniProt Synonym Gene Names	AIDD; DSEP
UniProt Entry Name	DCD_HUMAN
NCBI Protein Information	dermcidin; preproteolysin; survival promoting peptide; proteolysis inducing factor; diffusible survival/evasion peptide
NCBI Summary for DCD	This gene encodes a secreted protein that is subsequently processed into mature peptides of distinct biological activities. The C-terminal peptide is constitutively expressed in sweat and has antibacterial and antifungal activities. The N-terminal peptide, also known as diffusible survival evasion peptide, promotes neural cell survival under conditions of severe oxidative stress. A glycosylated form of the N-terminal peptide may be associated with cachexia (muscle wasting) in cancer patients. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014]
UniProt Comments for DCD	DCD: DCD-1 displays antimicrobial activity thereby limiting skin infection by potential pathogens in the first few hours after bacterial colonization. Highly effective against E.coli, E.faecalis, S.aureus and C.albicans. Optimal pH and salt concentration resemble the conditions in sweat. Also exhibits proteolytic activity. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide; EC 3.4.-.- Chromosomal Location of Human Ortholog: 12q13.1 Cellular Component: extracellular region Molecular Function: peptidase activity Biological Process: killing of cells of another organism; defense response to bacterium; proteolysis; defense response to fungus
Research Articles on DCD	**1.** Crystal structure and functional mechanism of a human antimicrobial membrane channel
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/dcd/8595753