

Anti-DCD Monoclonal Antibody

Product Details

Molecular Weight: 150 kDa

Properties

Antigen Details

Synonyms: Dermcidin;Preproteolysin

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481

Anti-DCD Monoclonal Antibody

Product Details

Ig Type:	Rabbit monoclonal IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	150 kDa
Purification:	Protein A Affinity Purified

Applications

Verified Activity:	Flow cytometry analysis of DCD overexpressed 472F cells with TMAZ-0265, followed by goat anti-rabbit IgG-ABflo 647 (red line). The isotype control is rabbit IgG (black line).
Application:	ELISA, FCM
Recommended	0.1-0.2 µg/10E6 cells for FCM; 1 ng/µl for ELISA

Properties

Purity:	> 95% as determined by SDS-PAGE.
Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	DCD
Antigen Species:	Human
Gene ID:	117159
Uniprot ID:	P81605
Synonyms:	Dermcidin;Preproteolysin
Biology Area:	Other Functions

Research Background

Found in sweat, has an antimicrobial activity during early bacterial colonization (PubMed: 11694882, PubMed: 23426625). The secreted peptide assembles into homohexameric complexes that can associate with and also insert into pathogen membranes (PubMed: 23426625). Once inserted in bacteria membranes forms anion channels probably altering the transmembrane potential essential for bacterial survival (PubMed: 23426625). Highly effective against E.coli, E.faecalis, S.aureus and C.albicans (PubMed: 11694882). Optimal pH and salt concentration resemble the conditions in sweat (PubMed: 11694882). Also exhibits proteolytic activity, cleaving on the C-terminal side of Arg and, to a lesser extent, Lys residues (PubMed: 17448443)|Promotes survival of neurons and displays phosphatase activity (PubMed: 9736629). It may bind IgG (PubMed: 9736629)

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