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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Beta-Defensin-2 (HBD-2/MBD-2) control peptide

nordicmubio.com/product/beta-defensin-2-hbd-2-mbd-2-control-peptide

Catalogue number: **DEF02-P**

Product Type	Proteins & Peptides
Units	100 µg
Application	Control peptide

Background

Control peptide for antibodies DEF02-S and DEF02-A Human defensins are Cys-rich antimicrobial peptides which specifically react against Gram-negative bacteria. Originally defensins were isolated from hemolysates, but they can also be found on the cell surface of epithelia of the urogenital tract, lung, and trachea. In leukocytes defensins are stored in granules being released into phagolysosomes for the destruction of incorporated microorganisms. Amino acid sequences of alpha-defensins 1-4 (HNP1-4) and beta-Defensins 1-4 (HBD1-4) are known. Beta-defensin-1 and beta-defensin-2 share 34% amino acid sequence homology. Mixture of synthetic peptides (14 AA near N-terminus of the mature HBD-2, 14 AA near N-terminus of the mature rat β -Defensin-2, and 17 AA near N-terminus of the mature mouse β -Defensin-2).

Product

Synthetic peptide lyophilized from PBS pH 7.5 at 1 mg/ml

Purification Method: Synthetic peptide lyophilized from PBS pH 7.5 at 1 mg/ml

Applications

Control peptide for DEF02-A and DEF02-S antibodies

Working Concentration: (lyophilisate)

Storage

-20°C

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may

contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Nordic-MUBio accepts no liability for any inaccuracies or omissions in this information.

References

1. Harder J., Bartels J., Christophers E., and J.-M. Schröder (1997) Antibacterial peptide specific for Gram-negative Bacteria / also effective for *Candida albicans*. *Nature* 387; 861ff
2. Hiratsuka T., Nakazato M., Date Y., Ashitani J., Minematsu T, Chino N., and S. Matsukura (1998) *Biochem. Biophys. Res. Comm. (Pharmacol.)* 249; 943 ff