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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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

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

Catalogue number: **DEFo2-S**

Product Type	Primary Antibodies
Units	100 µl
Host	Rabbit
Species reactivity	Human Mouse Rat
Application	ELISA Radioimmunoassay

Background

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. β -defensin-2 (HBD-2) whole molecule and N-terminal fragments of HBD-2, no cross-reactivity to alpha-defensin and other beta-defensins, full cross-reaction with mouse and rat beta-defensin-2.

Synonyms: Beta-Defensin-2 (HBD-2/MBD-2)

Source

Rabbits were immunized with a 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) coupled to KLH.

Product

Rabbit serum lyophilized with PBS and sodium azide 0.05%. Reconstitute with 1 ml bidistilled sterile water.

Specificity

Species Reactivity: Human, mouse, rat, other species not tested

Applications

ELISA, RIA, IHC not established

Working Concentration: (lyophilisate) 1:1000 - 1:5000 WB, 1:10000 - 1:50000 ELISA

Positive Control: Skin or oral mucosa

Storage

The antibody may be stored at +4°C. For prolonged storage prepare appropriate aliquots and store at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product.

Shipping Conditions: Ship at ambient temperature.

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

Safety Datasheet(s) for this product:

NM_Sodium Azide

</wp-content/uploads/SDS/Antibody SDS with Sodium Azide Nordic-MUBio.pdf>