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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Alpha-DEFENSIN (1-3), HNP1-3

nordicmubio.com/product/alpha-defensin-1-3-hnp1-3

Catalogue number: **HNP103**

Clone	DEF-3
Isotype	IgG1
Product Type	Primary Antibodies
Units	100 µg
Host	Mouse
Application	Flow Cytometry Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

Background

The monoclonal antibody DEF-3 reacts with human alpha-defensins (HNP1-3), which are synthesized and stored by neutrophilic granulocytes. 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. Human Neutrophil Peptides (HNP1-3) syn. alpha-Defensins 1-3, reactivity with HNP-4 not tested.

Source

Immunogen: Native Defensins

Product

Affinity purified IgG, lyophilized from PBS, BSA, and sodium azide**, reconstitute with 0.5 ml sterile water to get a stock solution of 200 µg/ml.

Purification Method: Affinity purified IgG, lyophilized from PBS, BSA, and sodium azide**, reconstitute with 0.5 ml sterile water to get a stock solution of 200 µg/ml.

Concentration: 200 µg/ml IgG after reconstitution with 0,5 ml distilled water

Secondary Reagents: We recommend the use of BIOLOGO's Universal Staining System DAB (Art. No. DA005) or AEC (Art.-No. AE005).

Specificity

Species Reactivity: Human, cross-reactivity with rhesus monkey and primates expected

Applications

IHC(C, P), FACS

Working Concentration: (lyophilisate) 0.2 µg/ml IHC(C), 0.5 µg/ml IHC(P)

Pre-Treatment: Formaldehyde-fixed tissue requires antigen unmasking preferred methods are 0.1% Pronase, Proteinase K or Trypsin.

Positive Control: Infected skin or oral mucosa

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. Ganz T. et al. (1985) J. Clin. Invest., 76; 1427 ff
2. Ganz T., et al. (1992) Med. Microbiol. Immunol. 181; 99ff
3. Mizukawa N ; Sugiyama K ; Fukunaga J ; Ueno T ; Mishima K ; Takagi S ; Sugahara T (1998) Defensin-1, a peptide detected in the saliva of oral squamous cell carcinoma patients. Anticancer Res 18(6B):4645-4649.
4. Linzmeier R., Ho C.H., Hoang B.V. , and Ganz T. (1999) A 450 kb contig of defensin genes on human chromosome 8p23. Gene 233; 205-211.
5. Mikuzawa N. Sugiyama K., Kamio M., Yamachika E., Ueno T., Fukunaga J., Takagi S., Sugahara T. (2000) Immunohistochemical staining of human alpha-defensin-1 (HNP-1) in submandibular glands of patients with oral carcinomas. Anticancer Res. 20(2B); 1125-1127.

Safety Datasheet(s) for this product:

NM_Sodium Azide

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

