Product datasheet

Anti-beta Defensin 1 antibody [M11-14b-D10] ab14425

Overview

Product name: Anti-beta Defensin 1 antibody [M11-14b-D10]
Description: Mouse monoclonal [M11-14b-D10] to beta Defensin 1
Host species: Mouse
Tested applications: Suitable for: ELISA, WB, IHC-P
Species reactivity: Reacts with: Human
Predicted to work with: Chimpanzee, Baboon, Macaque monkey
Immunogen: Synthetic peptide:

DHYNCVSSGGQCLYSACPIFTKIQGTCYRGKAKCCK
, corresponding to amino acids 1-36 of Human beta 1 Defensin.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: pH: 7.40
Constituent: 0.79% Tris HCl
Purity: Protein L purified
Clonality: Monoclonal
Clone number: M11-14b-D10
Isotype: IgG1

Applications

Our Abpromise guarantee covers the use of ab14425 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<td>ELISA</td>
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<td>Use at an assay dependent concentration.</td>
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Function

Has bactericidal activity.

Tissue specificity

Plasma.

Sequence similarities

Belongs to the beta-defensin family.

Cellular localization

Secreted.

Immunohistochemistry

ab14425 (2µg/ml) staining beta defensin in human kidney, using an automated system (DAKO Autostainer Plus). Using this protocol there is strong staining in the epithelial layers of the loops of Henle, distal tubules and collecting ducts.

Sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffer EDTA pH 9.0 in a DAKO PT link. Slides were peroxidase blocked in 3% H2O2 in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako envision flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX.

Please note that, for manual staining, optimization of primary antibody concentration and incubation time is recommended. Signal amplification may be required.

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