

**Anti- $\gamma$ ENaC ( $\gamma$ -subunit epithelial sodium channel)****Mouse monoclonal antibody, biotinylated**

Subclass: ND

Clone: 5c2

PRODUCT NO.

**CAM 005-02B**

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SPECIFICITY	CAM 005-02 is specific for the inhibitory tract of human $\gamma$ ENaC
IMMUNOGEN	The inhibitory peptide from the human $\gamma$ ENaC subunit. EAESWNSVSEGGKQPRFSHRIPLC corresponding to amino acid residue 139-160 of human $\gamma$ ENaC subunit.
TESTED APPLICATIONS	ELISA
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	The epitope is on the inhibitory tract of human $\gamma$ ENaC. The epitope differs from that of CAM 003-07.

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## PRESENTATION

Content:	50 $\mu$ L, 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Biotinylated
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

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## APPLICATION

**ELISA:** CAM 005-02B was used in ELISA. A sandwich ELISA can be made using CAM 003-07 (1-4  $\mu$ g/ml) as the capture antibody and biotinylated CAM 005-02 (0.05 - 0.2  $\mu$ g/ml) as the detection antibody in order to detect the peptide from the inhibitory tract (AA 138-131).

## TARGET

The epithelial sodium channel (ENaC) of the kidney is necessary for extracellular volume homeostasis and normal arterial BP. Activity of ENaC is enhanced by proteolytic cleavage of the  $\gamma$ -subunit and putative release of a 43-amino acid inhibitory tract from the  $\gamma$ -subunit ectodomain.

## REFERENCES

## CONDITIONS

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