

Mouse anti-Mouse CRAMP Monoclonal Antibody | anti-CRAMP antibody

CRAMP, Mouse, mAb LF7-BB3

CATALOG # AAA77815	HOST Mouse	REACTIVITY Mouse	APPLICATIONS Functional Assay
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PRODUCT SYNONYMS

CRAMP; Monoclonal Antibody; Mouse; mAb LF7-BB3; Cathelicidin antimicrobial peptide; Cathelin-like protein; CLP - Gene name: Camp; Cnlp; Cramp Entrez Gene ID: 12796 Uniprot: P51437; anti-CRAMP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	LF7-BB3
Form/Format	0.2 ml (100 ug/ml) 0.2 um filtered in PBS+0.1%BSA
Applicable Applications for anti-CRAMP antibody	IA (Immunoassay), FA (Functional Assay)
Immunogen	Full length mouse CRAMP peptide.
Preparation and Storage	Product should be stored at 4 degree C. Under recommended storage conditions, product is stable for at least one year.

ADDITIONAL INFORMATION

Related Product Information for anti-CRAMP antibody	The monoclonal antibody LF7-BB3 recognizes the mouse protein Cathelin-Related AntiMicrobial Peptide (Cramp). Cathelicidins are a family of antimicrobial proteins predominantly found in the peroxidase-negative granules of neutrophils. the cathelicidins are synthesized as preproteins. Within the neutrophils, they are stored in granules as inactive proforms after removal of the signal peptide. The biologic active domains of the cathelicidins reside in the C-terminus. The C-terminal antimicrobial peptides are activated when cleaved from the proforms of the cathelicidins by serine proteases from azurophilic granules. Cramp (Cathelin-Related Anti-Microbial Peptide) is the mouse analogue of human LL-37 peptide, which is the antibacterial C-terminus of hCAP-18 (human cathelicidin). CRAMP forms an amphipathic alpha-helix similar to other antimicrobial peptides. Cramp is a potent antibiotic against Gram-negative bacteria by inhibiting growth of a variety of bacterial strains and by permeabilizing the inner membrane of E.coli directly. Abundant expression of Cramp is found in myeloid precursors and neutrophils. Cramp represents the first antibiotic peptide found in cells of myeloid lineage in the mouse. Inflammatory cells in the mouse can thus use a non-oxidative mechanism for microbial killing. The monoclonal antibody LF7-BB3 is suitable as a capture and/or detection in an immunoassay (ELISA).
Product Categories/Family for anti-CRAMP antibody	Monoclonal antibodies

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cramp-antibody-clone-lf7-bb3-immunoassay-functional-assay-elisa/77815>