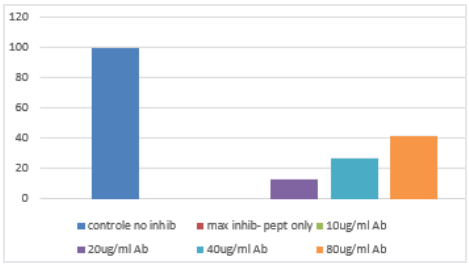
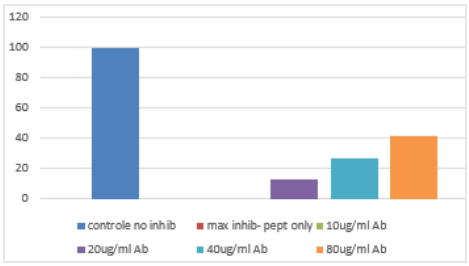
CRAMP Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

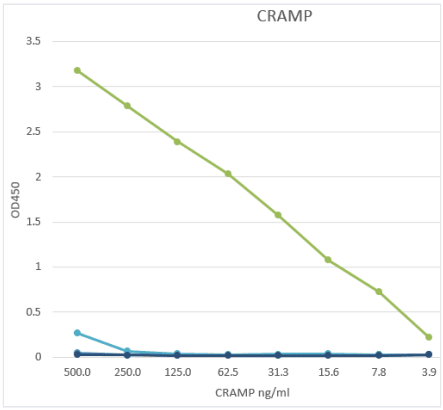
Product Name	CRAMP, Monoclonal Antibody
Full Product Name	CRAMP, Mouse, mAb LF7-BB3
Product Gene Name	anti-CRAMP antibody
Product Synonym Names	CRAMP, Mouse, mAb LF7-BB3; Cathelicidin antimicrobial peptide; Cathelin-like protein; CLP - Gene name: Camp; Cnlp; Cramp Entrez Gene ID: 12796 Uniprot: P51437
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	LF7-BB3
Host	Mouse
Species Reactivity	Mouse
Form/Format	0.2 ml (100 ug/ml) 0.2 um filtered in PBS+0.1%BSA
Preparation and Storage	Product should be stored at 4 degree C. Under recommended storage conditions, product is stable for at least one year.
Immunogen	Full length mouse CRAMP peptide.
Product Categories/Family for anti-CRAMP antibody	Monoclonal antibodies
Applications Tested/Suitable for anti-CRAMP antibody	Functional Assay (FUNC), Immunoassay (IA)
Application Notes for anti-CRAMP antibody	IA: Antibody clone LF7-BB3 used as capture and detection antibody. FUNC/FS: The bacterial activity of cramp peptide can be blocked with MBS584894 in a dose dependent way. MBS584894 cannot be used for Western blot.
Related Product Information for anti-CRAMP antibody	The monoclonal antibody LF7-BB3 recognizes the mouse protein Cathelin-Related AntiMicrobial Peptide (Cramp). Cathelicidins are a familiy 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).
Other Notes	Small volumes of anti-CRAMP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CRAMP purchase	MBS584894 is an antibody targeting CRAMP. Also known as CRAMP, Mouse, mAb LF7-BB3. Reactive in Mouse. Host: Mouse.



Testing Data of anti-CRAMP antibody



Testing Data of anti-CRAMP antibody



Testing Data of anti-CRAMP antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRAMP. It may not necessarily be applicable to this product.

Protein Family	Cathelicidin-related peptide
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/monoclonal-mouse-antibody/cramp/584894