



Anti-CAMP monoclonal antibody, clone I8 (DMABT-H18590)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse Anti-CAMP Monoclonal Antibody
Antigen Description	Antimicrobial peptides (AMP) are effector molecules of the innate immune system with direct antimicrobial and immunomodulatory effects. AMP are produced by epithelial and professional host defense cells such as macrophages or neutrophils. AMP directly inactivate microorganisms and, in addition, have diverse activities on various cell types. In mammals, peptides of the defensin and the cathelicidin families are found. hCAP-18 is the only cathelicidin present in humans. hCAP-18 is a 280 amino acid cathelicidin anti-microbial precursor protein that is proteolytically processed to yield the antibacterial peptide LL-37. The precursor hCAP-18 is found in the specific granules of neutrophils and is expressed in many immune and epithelial cells. Cathelicidin has an established role in host defense. In addition to their direct antimicrobial function, cathelicidin peptides are involved in the modulation of repair and tissue homeostasis, epithelial wound healing, chemoattraction of immune cells, and release of inflammatory mediators from epithelial cells. Recent studies also found that LL-37 significantly regulates endocytic capacity, modifies expression of phagocytic receptors, increases secretion of Th1-inducing cytokines of dendritic cells (DC) generated from blood monocytes, and modulates the response of monocytes and DC to toll like receptor (TLR)-ligands. Moreover LL-37 also modulates the response of neutrophils to bacterial activation.
Target	CAMP
Immunogen	Partially purified human neutrophil membrane proteins, with epitope mapping to amino acids 115-121
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse, Rat, Human, Rhesus monkey

Clone	I8
Conjugate	Unconjugated
Applications	WB, IF, IP, FC
Preparation	Protein G affinity purified
Concentration	0.5 mg/ml
Size	100 µg
Buffer	Phosphate-buffered solution, pH 7.2, 0.09% NaN ₃ .
Preservative	0.09% Sodium Azide
Storage	Upon receipt, store undiluted at 4 °C.

GENE INFORMATION

Gene Name	CAMP cathelicidin antimicrobial peptide [Homo sapiens]
Official Symbol	CAMP
Synonyms	CAMP; cathelicidin antimicrobial peptide; CAP18; FALL 39; FALL39; LL37; 29kDa cationic antimicrobial protein; CRAMP; HSD26; CAP-18; FALL-39;
Entrez Gene ID	820
Protein Refseq	NP_004336
UniProt ID	J3KNB4
Chromosome Location	3p21.3
Pathway	Salivary secretion, organism-specific biosystem; Salivary secretion, conserved biosystem; Tuberculosis, organism-specific biosystem; Tuberculosis, conserved biosystem;