



# Mouse Anti-Mouse IL-17F Monoclonal antibody, clone MM17F8F5.1A9 (CABT-L4531)

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

## PRODUCT INFORMATION

### Product Overview

The MM17F8F5.1A9 (also known as MM17F-8F5) monoclonal antibody reacts with mouse IL-17F a 37 kDa cytokine expressed by Th17 cells,  $\gamma\delta$  T cells, mast cells, basophils, and epithelial cells. IL-17F can be secreted as homodimers or as heterodimers with IL-17A. IL-17F and IL-17A have overlapping functions. Both play an important role in anti-microbial and chronic inflammation by inducing cytokine and chemokine production, neutrophil influx, and the production of antibacterial peptides. Overexpression of IL-17F is associated with airway hyperreactivity and mucus hypersecretion. The MM17F8F5.1A9 antibody has been shown to neutralize IL-17F in vivo.

Target	Mouse IL-17F
Immunogen	Mouse IL-17F
Isotype	IgG1, $\kappa$
Source/Host	Mouse
Species Reactivity	Mouse
Clone	MM17F8F5.1A9
Purification	Protein A purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo IL-17F neutralization
Molecular Weight	150 kDa
Format	0.2 $\mu$ m filtration liquid. Purified from tissue culture supernatant in an animal free facility

<b>Concentration</b>	Lot specific
<b>Size</b>	5 mg
<b>Buffer</b>	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free]  Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
<b>Preservative</b>	None
<b>Storage</b>	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	The protein encoded by this gene is a cytokine that shares sequence similarity with IL17. This cytokine is expressed by activated T cells, and has been shown to stimulate the production of several other cytokines, including IL6, IL8, and CSF2/GM_CSF. This cytokine is also found to inhibit the angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/TGFB, and monocyte chemoattractant protein-1. [provided by RefSeq, Jul 2008]
<b>Keywords</b>	IL17F;interleukin 17F;ML1;ML-1;CANDF6;IL-17F;interleukin-17F;cytokine ML-1;

## GENE INFORMATION

<b>Official Symbol</b>	interleukin 17F
<b>Synonyms</b>	IL17F; interleukin 17F; ML1; ML-1; CANDF6; IL-17F; interleukin-17F; cytokine ML-1;
<b>References</b>	Lemaire, M. M., et al. (2011). "Dual TCR expression biases lung inflammation in DO11.10 transgenic mice and promotes neutrophilia via microbiota-induced Th17 differentiation." <i>J Immunol</i> 187(7): 3530-3537. PubMed;