



# Armenian Hamster Anti-Mouse CXCL9 (MIG) Monoclonal antibody, clone MIG-2F5.5 (CABT-L4535)

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

## PRODUCT INFORMATION

### Product Overview

The MIG-2F5.5 monoclonal antibody reacts with mouse CXCL9 also known as MIG. CXCL9 is a chemotactic cytokine that belongs to the CXC subfamily of chemokines. CXCL9 is expressed on monocytes, macrophages, hepatocytes, endothelial cells, and primary glial cells in response to IFN $\gamma$  stimulation. CXCL9 has been shown to be a chemoattractant for resting memory and activated CD4 $^{+}$  and CD8 $^{+}$  T cells, and NK cells expressing its receptor, CXCR3. Binding of CXCL9 to CXCR3 induces various cellular responses, including integrin activation, cytoskeletal changes and chemotactic migration.

Target	Mouse CXCL9 (MIG)
Immunogen	C57BL/6 mouse BTLA Ig domain
Isotype	IgG, $\kappa$
Source/Host	Armenian Hamster
Species Reactivity	Mouse
Clone	MIG-2F5.5
Purification	Protein A purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	IF
Molecular Weight	150 kDa

<b>Format</b>	0.2 µM filtered 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>	This antimicrobial gene encodes a protein thought to be involved in T cell trafficking. The encoded protein binds to C-X-C motif chemokine 3 and is a chemoattractant for lymphocytes but not for neutrophils. [provided by RefSeq, Sep 2014]
<b>Keywords</b>	CXCL9;chemokine (C-X-C motif) ligand 9;CMK;MIG;Humig;SCYB9;crg-10;C-X-C motif chemokine 9;small-inducible cytokine B9;gamma-interferon-induced monokine;monokine induced by gamma interferon;monokine induced by interferon-gamma;

## GENE INFORMATION

<b>Official Symbol</b>	chemokine (C-X-C motif) ligand 9
<b>Synonyms</b>	CXCL9; chemokine (C-X-C motif) ligand 9; CMK; MIG; Humig; SCYB9; crg-10; C-X-C motif chemokine 9; small-inducible cytokine B9; gamma-interferon-induced monokine; monokine induced by gamma interferon; monokine induced by interferon-gamma;
<b>References</b>	Xiong, Y., et al. (2016). "T-bet Regulates Natural Regulatory T Cell Afferent Lymphatic Migration and Suppressive Function." J Immunol 196(6): 2526-2540. PubMed;