



# Mouse Anti-Equine Interleukin-3 Monoclonal Antibody, clone ITA9eq3 (CABT-Z611E)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Equine IL3
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Equine
<b>Clone</b>	ITA9eq3
<b>Purification</b>	Protein G purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µg
<b>Buffer</b>	PBS, pH 7.2, containing 0.09% sodium azide.
<b>Preservative</b>	0.09% sodium azide
<b>Storage</b>	Store at -20°C. Avoid freeze and thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction**

IL-3 is a potent growth promoting cytokine. This cytokine is a species specific colony stimulating factor which stimulates colony formation of megakaryocytes, neutrophils, and macrophages from bone marrow cultures. Produced by T cells, mast cells and eosinophils, IL-3 enhances thrombopoiesis, phagocytosis and antibodymediated cellular cytotoxicity. Its ability to activate monocytes suggests that IL-3 may have additional immunoregulatory roles. Many of the IL-3 activities depend upon co-stimulation with other cytokines. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. IL-3 has been also shown to possess neurotrophic activity and may be associated with neurologic disorders.

**Keywords**

IL3;interleukin 3 (colony-stimulating factor, multiple);IL-3;MCGF;MULTI-CSF;MCGF (Mast cell growth factor), Multi-CSF