



Rabbit anti-Canine TGF-Beta 1 Polyclonal antibody (CABT-L8752R)

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

PRODUCT INFORMATION

Immunogen	Recombinant Canine TGF-beta 1
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Dog
Purification	Antigen Affinity-purified
Conjugate	Unconjugated
Applications	ELISA, IP, WB Recommended working dilution: WB 1:500-1:1000; ELISA 1:25000-1:50000; IP 0.2-1 µL/mg of lysate
Preparation	Produced in rabbits immunized with purified, recombinant Canine TGF-beta 1. TGFB1 specific IgG was purified by Canine TGFB1 affinity chromatography.
Format	Liquid
Concentration	1 mg/ml
Size	50 µl
Buffer	PBS
Preservative	None
Storage	Maintain at -20°C for up to 12 months. Avoid repeated freeze-thaw cycles. Store product undiluted.

BACKGROUND

Introduction

TGF-beta 1 is a member of the transforming growth factor beta (TGF-beta) family. The transforming growth factor-beta family of polypeptides are involved in the regulation of cellular processes, including cell division, differentiation, motility, adhesion and death. TGF-beta 1 positively and negatively regulates many other growth factors. It inhibits the secretion and activity of many other cytokines including interferon- γ , tumor necrosis factor-alpha and various interleukins. It can also decrease the expression levels of cytokine receptors. Meanwhile, TGF-beta 1 also increases the expression of certain cytokines in T cells and promotes their proliferation, particularly if the cells are immature. TGF-beta 1 also inhibits proliferation and stimulates apoptosis of B cells, and plays a role in controlling the expression of antibody, transferrin and MHC class II proteins on immature and mature B cells.

Keywords

TGFB1; LAP; DPD1; TGFB; TGFbeta; Transforming Growth Factor-beta 1
