



# Mouse anti-Human BTB monoclonal antibody, clone 4C213C4 (CABT-B9867)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	BTB (AAH12099, 1 a.a. ~ 544 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	4C213C4
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,IP,sELISA,ELISA
<b>Sequence Similarities</b>	MAHAHIQGGRRAKSRFVVCIMSGARSKLALFLCGCYVVALGAHTGEESVADHHEAEYYVA AVYEHPSILSLNPLALISRQEALELMNQNLDIYEQQVMTAAQKDVQIIVFPEDGIHGFnF TRTSIYPFLDFMPSPQVVRWNPCLPHRFNDTEVLQRLSCMAIRGDMFLVANLGTKEPCH SSDPRCPKDGRYQFNTNVVFSNNGTLVDRYRKHNLYFEAAFDVPLKVDLITFDTPFAGRF GIFTCFDILFFDPAI
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

**Introduction** The protein encoded by this gene functions to recycle protein-bound biotin by cleaving biocytin (biotin-epsilon-lysine), a normal product of carboxylase degradation, resulting in regeneration of free biotin. The encoded protein has also been shown to have biotinyl transferase activity. Mutations in this gene are associated with biotinidase deficiency. Multiple transcript variants encoding different isoforms have been described. [provided by RefSeq, Aug 2013]

**Keywords** BTD; biotinidase; biotinase;

## GENE INFORMATION

**Entrez Gene ID** [686](#)

**UniProt ID** [P43251](#)

**Pathway** Biotin metabolism, organism-specific biosystem; Biotin metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Vitamin digestion and absorption, organism-specific biosystem; Vitamin digestion and absorption, conserved biosystem

**Function** biotin carboxylase activity; biotinidase activity