



Mouse anti-Human CLCF1 monoclonal antibody, clone 8F21 (CABT-B9980)

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

PRODUCT INFORMATION

Immunogen	CLCF1 (AAH12939.1, 29 a.a. ~ 226 a.a) full-length recombinant protein with GST tag.
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Human
Clone	8F21
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	NRTGDPGPGLPSIQKTYDLTRYLEHQLRSLAGTYLNLYGPPFNEPDFNPPRGLAETLPRAT VDLEVWRSLNDKLRLTQNYEAYSHLLCYLRGLNRQAATAELRRSLAHFCTSLQGLLGSIA GVMAALGYPLPQPLPGTEPTWTPGPAHSDLFLQKMDDFWLLKELQTWLWRSAKDFNRLKKK MQPPAAAVTLHLGAHGF*
Format	Liquid
Size	200 µl
Buffer	In ascites fluid
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene is a member of the glycoprotein (gp)130 cytokine family and encodes cardiotrophin-
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like cytokine factor 1 (CLCF1). CLCF1 forms a heterodimer complex with cytokine receptor-like factor 1 (CRLF1). This dimer competes with ciliary neurotrophic factor (CNTF) for binding to the ciliary neurotrophic factor receptor (CNTFR) complex, and activates the Jak-STAT signaling cascade. CLCF1 can be actively secreted from cells by forming a complex with soluble type I CRLF1 or soluble CNTFR. CLCF1 is a potent neurotrophic factor, B-cell stimulatory agent and neuroendocrine modulator of pituitary corticotroph function. Defects in CLCF1 cause cold-induced sweating syndrome 2 (CISS2). This syndrome is characterized by a profuse sweating after exposure to cold as well as congenital physical abnormalities of the head and spine. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Oct 2009]

Keywords	CLCF1; cardiotrophin-like cytokine factor 1; CLC; NR6; BSF3; NNT1; BSF-3; CISS2; NNT-1; novel neurotrophin-1; B-cell stimulating factor 3; B-cell stimulatory factor 3; B-cell-stimulating factor 3; CRLF1 associated cytokine-like factor 1; neurotrophin-1/B-cell stimulating factor-3;
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GENE INFORMATION

Entrez Gene ID	23529
UniProt ID	Q9UBD9
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem
Function	ciliary neurotrophic factor receptor binding; contributes_to ciliary neurotrophic factor receptor binding; contributes_to cytokine activity; cytokine activity; growth factor activity; protein binding; protein heterodimerization activity; receptor binding
