



Anti-CTF1 monoclonal antibody, clone 02008 (DCABY-4161)

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

PRODUCT INFORMATION

Antigen Description	Cardiotrophin-1 (CT-1) is a member of a cytokine family that also includes IL-6, IL-11, LIF, OSM, CLC, CT-2/(Np), CNTF, and IL-31. It has overlapping functions with other IL-6 family members on a variety of cell types. Full-length human and mouse CT-1 lack a canonical signal sequence and share 79% amino acid sequence identity. CT-1 is highly expressed in heart, skeletal muscle, liver, lung, and kidney. Lower levels of CT-1 expression are also observed in testis and the brain.
Specificity	Detects mouse Cardiotrophin-1 in ELISAs and Western blots. In ELISAs, this antibody shows approximately 20% cross-reactivity with recombinant human (rh) Cardiotrophin-1 and no cross-reactivity with rmIL-11, rmIL-6, rrCNTF, rmLIF, or rmOSM.
Immunogen	E. coli-derived recombinant mouse Cardiotrophin-1. Ser2-Ala203 Accession Number Q60753
Isotype	IgG1
Source/Host	Rat
Species Reactivity	Mouse
Clone	02008
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, ELISA Capture (Matched Pair)
Format	Liquid
Size	500 µg

Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

GENE INFORMATION

Gene Name	Ctf1 cardiotrophin 1 [Mus musculus (house mouse)]
Official Symbol	CTF1
Synonyms	CTF1; cardiotrophin 1; CT-1; cardiotrophin-1;
Entrez Gene ID	13019
Protein Refseq	NP_031821
UniProt ID	Q541U3
Chromosome Location	7; 7 F3
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; MicroRNAs in cardiomyocyte hypertrophy;
Function	cytokine activity; leukemia inhibitory factor receptor binding;