



# Anti-CTF1 polyclonal antibody [Biotin] (DPABY-631)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Specificity</b>	Detects mouse Cardiotrophin-1/CT-1 in ELISAs and Western blots. In sandwich immunoassays, less than 15% cross-reactivity with recombinant human CT-1 is observed.
<b>Immunogen</b>	E. coli-derived recombinant mouse Cardiotrophin-1/CT-1. Ser2-Ala203 Accession Number Q60753
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

<b>Preservative</b>	None
<b>Storage</b>	Lyophilized samples are stable for twelve months from date of receipt when stored at -20 °C to -70 °C. Upon reconstitution, the antibody can be stored at 2 °C to - 8 °C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at - 20 °C to -70 °C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

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