

Datasheet for ABIN1110877
anti-Cardiotrophin 1 antibody



[Go to Product page](#)

1 Publication

Overview

Quantity:	200 µg
Target:	Cardiotrophin 1 (CTF1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cardiotrophin 1 antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	Mouse Anti-Human CT1
Isotype:	IgG
Characteristics:	Cardiac Markers
Purification:	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with the immunogen. Purification The IgG fraction of tissue culture supernatant was purified by Protein A/G affinity chromatography.

Target Details

Target:	Cardiotrophin 1 (CTF1)
Alternative Name:	CT1 (CTF1 Products)
Background:	Target Description: Cardiotrophin-1 (CT-1, Official gene name: CTF1) is a cardiac hypertrophic factor and belongs to the IL-6 cytokine family. The protein interacts with the glycoprotein

Target Details

130/leukemia inhibitory factor receptor beta heterodimer. CT-1 deficiency causes increased motoneuron cell death in spinal cord and brainstem nuclei of mice. In addition, CT-1 enhances transcription factor NF kappa B DNA-binding activities and activates phosphatidylinositol 3-kinase in cardiac myocytes. It is also highly expressed in the heart, prostate, skeletal muscle, and ovary, and expressed at the lower levels in lung, kidney, pancreas, thymus, small intestine, and testis. CT-1 is highly secreted by myotubes, and promotes the survival of cultured embryonic mouse and rat MNs. CT-1 is associated with pathophysiology of heart diseases, like hypertension, myocardial infarction, valvular heart disease, and congestive heart failure.

Pathways: [JAK-STAT Signaling](#)

Application Details

Application Notes: ELISA

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: The antibody is supplied as lyophilized and purified antibody originally containing PBS without any preservatives. Protein amount is indicated on the vial. Reconstitute in de-ionized or distilled water to concentration of 1 mg/mL.

Buffer: PBS

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: -20°C

Publications

Product cited in: Li, Ma, Wang, Zeng, Li, Kang, Hao: "Exosomal microRNA-141 is upregulated in the serum of prostate cancer patients." in: **OncoTargets and therapy**, Vol. 9, pp. 139-48, (2016) ([PubMed](#)).