

## Product datasheet for PP030P1

### Cntf Rabbit Polyclonal Antibody

#### Product data:

Product Type: Primary Antibodies

Applications: ELISA, FN, IHC, WB

Recommended Dilution: **Neutralization:**

To yield one-half maximal inhibition [ND50] of the biological activity of Rat CNTF (0.15 ng/ml), a concentration of 0.002-0.005 µg/ml of this antibody is required.

#### **ELISA**

Indirect: To detect Rat CNTF by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Rat CNTF.

Sandwich: To detect Rat CNTF by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Rat CNTF as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Rat CNTF.

#### **Western Blot**

To detect Rat CNTF by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat CNTF is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Reactivity: Rat

Host: Rabbit

Clonality: Polyclonal

Immunogen: Highly purified recombinant CNTF.

Specificity: This antibody recognises Rat CNTF.

Formulation: PBS, pH 7.2 without preservatives.

State: Aff - Purified

State: Lyophilized (sterile filtered) purified Ig fraction.

Reconstitution Method: Restore in sterile water to a concentration of 0.1-1.0 mg/ml.

Purification: Affinity Chromatography.

Conjugation: Unconjugated



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<b>Storage:</b>	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: One year from despatch.
<b>Gene Name:</b>	ciliary neurotrophic factor
<b>Database Link:</b>	<a href="#">Entrez Gene 25707 Rat P20294</a>
<b>Background:</b>	CNTF is a potent neural factor that was originally characterized as a vital factor for the survival of chick ciliary neurons in vitro. CNTF is also important for the survival of other neural cell types including primary sensory neurons, motor neurons, basal forebrain neurons and type 2 astrocytes. CNTF is highly conserved across species and exhibits cross-species bioactivity.
<b>Synonyms:</b>	Ciliary Neurotrophic Factor
<b>Note:</b>	Centrifuge vial prior to opening!