

<b>Data sheet</b>	<b>Polyclonal antibody to rat tumor necrosis factor alpha (TNF-<math>\alpha</math>)</b>
<b>Cat. No.:</b>	CT062
<b>Isotype:</b>	Rabbit Ig
<b>Antigen:</b>	For immunization recombinant rat TNF- $\alpha$ ( <i>E. coli</i> -derived) is used.
<b>Purification:</b>	Antibodies were sequentially purified by ammonium sulphate precipitation and protein A-affinity chromatography.
<b>Packaging:</b>	Lyophilized and vacuum-packed.
<b>Contents:</b>	0.5 mg/vial
<b>Buffer:</b>	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.
<b>Specificity:</b>	Binds with high affinity to and efficiently neutralizes both natural and recombinant rat TNF- $\alpha$ . High degree of cross-neutralizing activity with mouse TNF- $\alpha$ .
<b>Activity:</b>	$\geq 10^5$ neutralizing units/mg protein.
<b>Neutralizing unit:</b>	The neutralizing capacity was determined in a cytotoxic bioassay (Morgan <i>et al.</i> 1991. J. Immunol. Meth. 145: 259) assuming that one unit of rat TNF- $\alpha$ bioactivity corresponds with 50 pg of rat TNF- $\alpha$ protein.
<b>Sterility:</b>	Membrane filtered (0.2 $\mu$ m).
<b>Reconstitution:</b>	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.
<b>Stability:</b>	Lyophilized product is stable for at least one year at 4°C (expiry date is indicated on the vial). After reconstitution, the contents can be safely stored at 4°C for one month or for one year at -20°C. Add 0.02% sodiumazide to prevent bacterial growth.
<b>Quantitation:</b>	Antibody concentration was determined by absorbance, taking $A_{280}/1.4$ for a 1 mg/ml solution.
<b>Application:</b>	ELISA Immunohistochemistry <i>In vitro</i> neutralization Western blot analysis
<b>References:</b>	Baba S. <i>et al.</i> 2011. Arch. Oral Biol. 56: 466-473

