

Data sheet Polyclonal antibody to rat tumor necrosis factor alpha (TNF- α) Biotin-labeled

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| Cat. No.: | CT064 |
| Isotype: | Rabbit Ig |
| Antigen: | For immunization Recombinant rat TNF- α (<i>E.coli</i> -derived) is used. |
| Purification: | Antibodies were sequentially purified by ammonium sulphate precipitation and protein A-affinity chromatography. |
| Labeling: | With Biotin-7-NHS (N-hydroxysuccinimide). |
| Packaging: | Lyophilized and vacuum-packed. |
| Contents: | 0.5 mg/vial |
| Buffer: | Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose. |
| Specificity: | Binds with high affinity to and efficiently neutralizes both natural and recombinant rat TNF- α . High degree of cross-neutralizing activity with mouse TNF- α . |
| Activity: | $\geq 10^5$ neutralizing units/mg protein. |
| Neutralizing unit: | 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- α bioactivity corresponds with 50 pg of rat TNF- α protein. |
| Sterility: | Membrane filtered (0.2 μ m). |
| Reconstitution: | Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water. |
| Stability: | 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. |
| Quantitation: | Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution. |
| Application: | Detection antibody in ELISA and ELISPOT systems |

