



Rat Anti-Mouse TNF- α

Cat. No.	Format	Size
10229-01	Purified (UNLB)	0.5 mg
10229-08	Biotin (BIOT)	0.5 mg
10229-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg

Overview

Clone	MP6-XT3
Isotype	Rat IgG ₁ κ
Immunogen	<i>E. coli</i> -expressed mouse TNF- α
Specificity	Mouse TNF- α
Alternate Name(s)	Tumor necrosis factor- α , macrophage cytotoxic factor, MCF, differentiation inducing factor, DIF, cachectin, necrosin, TNFSF-2

Applications

ELISA-Detection – Quality tested ²
ELISA-Capture – Reported in literature ^{1,3}
ELISPOT-Capture – Reported in literature ⁴
ELISPOT-Detection – Reported in literature ⁵
FC – Reported in literature ⁵⁻⁷
IHC-FS – Reported in literature ⁸⁻¹³
IHC-PS – Reported in literature ¹⁴
WB – Reported in literature ¹⁵
Neut – Reported in literature ^{1,16,17}
Multiplex-Detection – Reported in literature ²

Working Dilutions

ELISA	BIOT conjugate	1:1,000 – 1:4,000
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Other Applications	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
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For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg labeled antibody in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°C.**
- Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific (M)SDS.

References

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4. Bordmann G, Rudin W, Favre N. Immunization of mice with phosphatidylcholine drastically reduces the parasitaemia of subsequent Plasmodium chabaudi chabaudi blood-stage infections. *Immunology.* 1998;94:35-40. (ELISPOT-Capture)
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6. Zajac AJ, Quinn DG, Cohen PL, Frelinger JA. Fas-dependent CD4⁺ cytotoxic T-cell-mediated pathogenesis during virus infection. *Proc Natl Acad Sci USA.* 1996;93:14730-5. (FC)
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11. Hersmann GH, Kriegsmann J, Simon J, Hüttich C, Bräuer R. Expression of cell adhesion molecules and cytokines in murine antigen-induced arthritis. *Cell Adhes Commun.* 1998;6:69-82. (IHC-FS)
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13. Tsao N, Hsu HP, Wu CM, Liu CC, Lei HY. Tumour necrosis factor- α causes an increase in blood-brain barrier permeability during sepsis. *J Med Microbiol.* 2001;50:812-21. (IHC-FS)
14. Huang T, Tsai S, Liu L, Liu YL, Liu H, Chuang KP. Effect of Arctium lappa L. in the dextran sulfate sodium colitis mouse model. *World J Gastroenterol.* 2010;16:4193-9. (IHC-PS)
15. Rogove AD, Lu W, Tsirka SE. Microglial activation and recruitment, but not proliferation, suffice to mediate neurodegeneration. *Cell Death Differ.* 2002;9:801-6. (WB)
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