



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 K
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
Other Applications	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

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 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. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- 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 SDS.

References

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3. Abrams JS. Immunoenzymetric assay of mouse and human cytokines using NIP-labeled anti-cytokine antibodies. *Curr Protoc Immunol.* 2001;6.20:1-15. (ELISA-Capture)
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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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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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