



Rabbit (polyclonal) Anti-Rat Tumor Necrosis Factor alpha (TNF- α) Unconjugated

PRODUCT ANALYSIS SHEET

Catalog Number:	ARC3012
Lot Number:	See product label
Quantity/Volume:	0.5 mg/0.5 mL
Form of Antibody:	Rabbit polyclonal immunoglobulins in phosphate buffered saline, pH 7.3.
Preservation:	None, 0.22 micron sterile filtered.
Endotoxin:	< 0.1 ng/ μ g as determined by Limulus Amebocyte Lysate Method.
Purification:	Purified from rabbit serum by Protein A/G affinity chromatography.
Purity:	> 95% as determined by SDS-PAGE analysis.
Immunogen:	Purified recombinant rat TNF- α .
Specificity:	Recognizes recombinant and natural rat TNF- α .
Applications:	This antibody is suitable for use in Western and Dot blot applications.
Suggested Working Dilutions:	For Dot blot applications, a 1:1000 dilution of the antibody will readily detect 5 ng of protein. The antibody has been shown to be non-neutralizing in the murine L929 rat TNF- α cytotoxic assay. The optimal concentration should be determined for each specific application.
Storage:	Store at -20°C. Upon initial thawing, apportion into working aliquots and store at -20°C. Avoid repeated freeze/thaw cycles. Handle product under aseptic conditions at all times. For long term storage, sodium azide should be added as a preservative (Caution: sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.)

This product is for research use only. Not for use in diagnostic procedures.

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PI ARC3012

(Rev 04/09) DCC-08-1089

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References:

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Chandrasekar, B., P.C. Melby, H.M. Sarau, M. Raveendran, R.P. Perla, F.M. Marelli-Berg, N.O. Dulin, and I.S. Singh (2003) Chemokine-cytokine cross-talk - The ELR+ CXC chemokine LIX (CXCL5) amplifies a proinflammatory cytokine response via a phosphatidylinositol 3-kinase-NF- κ B pathway. *J. Biol. Chem.* 278(7):4675-4686 (cites the use of this product in Western blot analysis).

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