

## TNF

### Rabbit Anti-Mouse TNF-alpha Biotin pAb

<b>Catalog No.</b>	CPT112	<b>Quantity:</b>	0.5 mg
<b>Alternate Names:</b>	DADB-70P7.1, DIF, TNF-alpha, TNFA, TNFSF2, tumor necrosis factor, TNF-a, cachectin, APC1 protein, TNF, monocyte-derived, TNF, macrophage-derived, TNF superfamily, member 2, tumor necrosis factor alpha, tumor necrosis factor ligand superfamily member 2		
<b>Gene ID:</b>	21926		
<b>Antigen:</b>	For immunization Recombinant mouse TNF- $\alpha$ ( <i>E.coli</i> -derived) is used.		
<b>Specificity:</b>	Binds with high affinity to and neutralizes both natural and recombinant mouse TNF- $\alpha$ . High degree of cross-reactivity with rat TNF- $\alpha$ .		
<b>Sterility:</b>	Membrane filtered (0.2 $\mu$ m).		
<b>Quantitation:</b>	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution.		
<b>Isotype:</b>	Rabbit Ig		
<b>Labeling:</b>	With Biotin-7-NHS (N-hydroxysuccinimide).		
<b>Buffer:</b>	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.		
<b>Neutralizing Unit:</b>	The neutralizing capacity was determined in a cytotoxic bioassay (Morgan et al. 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>Purification:</b>	Antibodies were sequentially purified by ammonium sulphate precipitation, protein A-affinity chromatography.		
<b>Reconstitution:</b>	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.		
<b>Packaging:</b>	Lyophilized and vacuum-packed.		
<b>Applications:</b>	Detection antibody in ELISA and ELISPOT systems In <i>vitro</i> neutralization		
<b>Activity:</b>	$\geq 10^5$ neutralizing units/mg protein.		
<b>Storage &amp; Stability:</b>	Lyophilized product is stable for at least one year at 4°C (expiration 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% sodium azide to prevent bacterial growth. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		

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