

## Product datasheet for **TA386074**

### **TNF alpha (TNF) Rabbit Monoclonal Antibody [Clone ID: D2E7 (Adalimumab)]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	D2E7 (Adalimumab)
<b>Applications:</b>	BI, ELISA, IF, IHC
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG, kappa
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	This antibody was generated by affinity maturation from the 2SD4 scFv, which in turn was selected on human TNF alpha by guided phage-display technology, using the murine anti-hTNF alpha antibody Mab32 as a template (c.f. also US Patent 6090382).
<b>Specificity:</b>	Binds to soluble TNF-alpha, but not to lymphotoxin (TNF beta).  Adalimumab binds specifically to TNF and neutralizes the biological function of TNF by blocking its interaction with the p55 and p75 cell surface TNF receptors. Adalimumab, unlike Infliximab (Ab00146), was shown to be cross-reactive with mouse TNF alpha (Arnoult 2017, PMID: 28584008).
<b>Formulation:</b>	PBS with 0.02% Proclin 300.
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
<b>Stability:</b>	3 years from dispatch.
<b>Gene Name:</b>	tumor necrosis factor
<b>Database Link:</b>	<a href="#">Entrez Gene 7124 Human P01375</a>
<b>Synonyms:</b>	Cachectin; DIF; TNF-a; TNF-alpha; TNFA; TNFSF2



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**Note:** NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar. This chimeric rabbit antibody was made using the variable domain sequences of the original human IgG1 format, for improved compatibility with existing reagents, assays and techniques.