

**TNF-alpha, rat recombinant protein**  
**TNF, Tumor necrosis factor- alpha**  
**Catalog # PBV10009r****Specification**

---

**TNF-alpha, rat recombinant protein - Product info**

Primary Accession [P16599.1](#)  
Calculated MW **17.0 kDa KDa**

**TNF-alpha, rat recombinant protein - Additional Info**

Gene ID **24835**  
Gene Symbol **TNFA**  
**Other Names**  
Tumor necrosis factor, Cachectin, TNF-alpha, Tumor necrosis factor ligand superfamily member 2

Gene Source **Rat**  
Source **E.coli**  
Assay&Purity **SDS-PAGE; ≥98%**  
Assay2&Purity2 **HPLC; ≥98%**  
Recombinant **Yes**  
**Target/Specificity**  
TNF-alpha

**Application Notes**

We recommend a quick spin followed by reconstitution in H<sub>2</sub>O to a concentration of 0.1 – 1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

**Format**

Lyophilized powder

**Storage**

-20°C; Sterile filtered and lyophilized from 1X PBS

**TNF-alpha, rat recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TNF-alpha, rat recombinant protein - Images**

**TNF-alpha, rat recombinant protein - Background**

Tumor Necrosis Factor- $\alpha$  (TNF- $\alpha$ ) is a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells and certain other target cells. Rat TNF- $\alpha$  is a 17 kDa protein containing 157 amino acid residues.