

Tumor necrosis factor alpha Fc-tagged

Cat. No. TNF-33 Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Tumor necrosis factor alpha was fused to the Fc region of human IgG1 via a polypeptide linker. The chimeric protein was expressed in HEK293 cell line.
Species	Pig
Source	HEK293
Description	Tumor necrosis factor (TNF, cachexin or cachectin and formally known as tumor necrosis factor-alpha) is a cytokine involved in systemic inflammation and is a member of a group of cytokines that all stimulate the acute phase reaction. TNF's primary role is in the regulation of immune cells. TNF is also able to induce apoptotic cell death, inflammation and inhibits tumorigenesis and viral replication. Dysregulation and, in particular, overproduction of TNF have been implicated in a variety of human diseases, as well as cancer.
Purity	> 90%, as determined by SDS-PAGE and visualized by silver stain.
Endotoxin	< 1.0 EU per 1 µg of the cytokine as determined by the LAL method.
Storage	Lyophilized samples are stable for up twelve months at -20°C to -70°C. Upon reconstitution, this cytokine can be stored under sterile conditions at 2°C - 8°C for one month or at -20°C to -70°C in a manual defrost freezer for three months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

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Unitprot ID P01375

GENE INFORMATION

Gene Name [TNF tumor necrosis factor \(TNF superfamily, member 2\)](#)

Synonyms tumor necrosis factor (TNF superfamily, member 2); DIF; TNFA; Tumor necrosis factor ligand superfamily member 2; TNFSF2; TNF-alpha;tumor necrosis factor alpha; cachectin; APC1 protein; TNF, monocyte-derived; OTTHUMP00000029281; TNF superfamily, member 2; TNF, macrophage-derived;OTTHUMP00000037669.

Gene ID [7124](#)

mRNA Refseq [NM_000594](#)

Protein Refseq [NP_000585](#)

MIM [191160](#)

Chromosome Location 6p21.3

Function cytokine activity; identical protein binding; tumor necrosis factor receptor binding

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PDBrendering based
on 1TNF. Available
structures: 1a8m, 1tnf, 2a



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