

## Anti-TNF alpha [CDP 571 (Humicade)] Standard Size Ab00448-23.0

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 IgG4 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** CDP 571 (Humicade)

**Alternative Name(s) of Target:** TNFA; Tumour necrosis factor superfamily member 2; TNFSF2

**UniProt Accession Number of Target Protein:** P01375

**Published Application(s):** NTRL, ELISA

**Published Species Reactivity:** Human

**Immunogen:** Human TNF-alpha

**Specificity:** The antibody binds to human TNF-alpha with a Kd of 0.087 nM.

**Application Notes:** The antibody binds specifically to TNF-alpha, a pro-inflammatory cytokine which stimulates release of other cytokines e.g. IL-1, IL-6 and GM-CSF as well as secretion of ICAM-1 and VCAM-1 from endothelial cells. It stimulates acute phase responses and acts as a chemoattractant for NK cells and monocytes/macrophages. The antibody reached Phase II clinical trials with Celltech, UCB.

**Antibody First Published in:** Stephens et al. Comprehensive pharmacokinetics of a humanized antibody and analysis of residual anti-idiotypic responses. Immunology. 1995 Aug;85(4):668-74. [PMID:7558164](#)

**Note on publication:** CDR regions from murine antibody CB0010 specific for TNFalpha were engineered onto human gamma4 and kappa light chains to produce CDP571.

### Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.