

Anti-TNF alpha [CDP 571 (Humicade)] Standard Size Ab00448-1.1

NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar. This chimeric mouse 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: Mouse IgG1, 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.