

Anti-TNF alpha [CDP 571 (Humicade)] Standard Size Ab00448-13.0

NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar.

Isotype and Format: Human IgG4, 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 K_d 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.