

Anti-TNF alpha [cA2 (Infliximab)] Standard Size Ab00146-19.0

This antibody does not have a J-chain and is monomeric, i.e. it presents with two Fab arms and one Fc domain.

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgA, Kappa

Clone Number: cA2 (Infliximab)

Alternative Name(s) of Target: TNF- α ; TNF α ; TNFSF; Tumor necrosis factor; Cachectin; TNF-alpha; Tumor necrosis factor ligand superfamily member 2; TNF-a; TNFa

UniProt Accession Number of Target Protein: P01375

Published Application(s): in vivo, ELISA, FC

Published Species Reactivity: Human

Immunogen: Purified recombinant human TNF (rTNF).

Specificity: Binds to soluble and transmembrane forms of TNF-alpha and neutralizes its biological activity. Does not bind to TNF-beta.

Application Notes: This antibody can be used to detect and neutralize human TNF alpha. Unlike Adalimumab (Ab00718), Infliximab does not bind to mouse TNF alpha (Arnoult 2017, PMID: 28584008).

Antibody First Published in: Knight DM, Trinh H, Le J, Siegel S, Shealy D, McDonough M, Scallon B, Moore MA, Vilcek J, Daddona P, et al. Construction and initial characterization of a mouse-human chimeric anti-TNF antibody. Mol Immunol. 1993 Nov;30(16):1443-53. [PMID:8232330](#)

Note on publication: Describes the generation of a murine monoclonal antibody (A2) and its transformation to a mouse-human chimeric antibody (Ca2).

Product Form

Size: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

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.