Anti-TNF alpha [cA2 (Infliximab)] Standard Size Ab00146-16.0

This antibody does not have a J-chain.

This reformatted human 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: Human IgA1, Kappa
Clone Number: cA2 (Infliximab)
Alternative Name(s) of Target: TNF-α; TNFα; 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 4ºC for up to 3 months. For longer storage, aliquot and store at -

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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.

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