

Anti-TNF- α (Adalimumab), humanized Antibody

CATALOG NO:	A1048-100
ALTERNATE NAMES:	Humira
AMOUNT:	100 μ g
IMMUNOGEN:	Recombinant human TNF α
HOST/ISOTYPE:	Human IgG1
CLONALITY:	Monoclonal
SOURCE:	CHO cells
ENDOTOXIN LEVELS:	< 0.05 EU/ml
PURIFICATION:	IgG purified from CHO culture supernatant by protein A chromatography
SPECIES REACTIVITY:	Human
FORM:	Liquid
FORMULATION:	Supplied in phosphate buffered saline, pH 7.4
STORAGE CONDITIONS:	Store at 2°C to 8°C. DO NOT FREEZE.
SPECIFICITY:	Humira (bio-similar) is a recombinant human IgG1 monoclonal antibody specific for human tumor necrosis factor (TNF). Adalimumab was created using phage display technology resulting in an antibody with human derived heavy and light chain variable regions and human IgG1: k constant regions. Adalimumab is produced by recombinant DNA technology in a mammalian cell expression system and is purified by a process that includes specific viral inactivation and removal steps. It consists of 1330 amino acids and has a molecular weight of approximately 148 kilodaltons.
DESCRIPTION:	Adalimumab (Humira), a human monoclonal antibody that specifically binds to tumor necrosis factor- α (TNF- α). Possessing a high specificity and affinity for TNF α adalimumab exerts its therapeutic effects by blocking the interaction of TNF α with the p55 and p75 receptors as well as inducing apoptosis of TNF-expressing mononuclear cells. Adalimumab can be used for the treatment of Rheumatoid arthritis, Juvenile Idiopathic Arthritis, Psoriatic Arthritis, Ankylosing Spondylitis, Crohn's Disease and Plaque Psoriasis.
APPLICATION:	Neutralization: 0.1-1 μ g/ml, ELISA: 1 μ g/ml Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

RELATED PRODUCTS:

- Anti-VEGF (Bevacizumab), humanized Antibody (**Cat. No. A1045-100**)
- Anti-EGFR (Cetuximab), chimeric antibody (**Cat. No. A1047-100**)
- Anti-HER2 (Trastuzumab), humanized Antibody (**Cat. No. A1046-100**)
- Anti-CD20 (Rituximab), chimeric antibody (**Cat. No. A1049-100**)
- Anti-EGFR (Panitumumab), humanized antibody (**Cat. No. A1050-100**)
- Human CellExp™ ErbB2 / HER2 / CD340, human recombinant (**Cat. No. 7397-10**)
- TNF- α , murine recombinant (**Cat. No. 1051-10**)
- TNF- α , rat recombinant (**Cat. No. 1052-10**)
- TNF- β , human recombinant (**Cat. No. 4345-20**)
- TNF-RII, human recombinant (**Cat. No. 4448-20**)

FOR RESEARCH USE ONLY! Not to be used on humans.