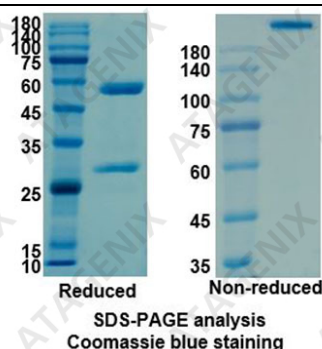


Product Details

Catalog No.	ATAD00093
INN (International Nonproprietary Name)	Adalimumab
Purity	>95%

SDS-PAGE image

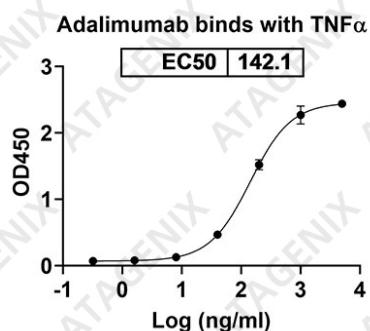


Concentration	1.98mg/ml
Formulation	PBS buffer PH7.4
Source	CHO cells
Endotoxin level	Please contact with the lab for this information.
Note	For research use only .

Bioactivity

Description	Adalimumab is a subcutaneously administered biological disease modifier for the treatment of rheumatoid arthritis and other chronic debilitating diseases mediated by tumor necrosis factor 2, 3. It was originally launched by Abbvie in the U.S. and approved in 2002 by the FDA 1. This drug is frequently known as Humira. It is produced by recombinant DNA technology using a mammalian cell expression system. This drug is available in a prefilled syringe form and convenient pen form for subcutaneous self-administered doses 1. A new biosimilar to adalimumab, named adalimumab-adaz, was approved by the FDA on October 31, 2018. This biosimilar is known as Hyrimoz, and is a trademark of Novartis AG 9.
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Bioactivity



Alternative names

D2E7

Specificity target name;species

TNFSF2/TNF-alpha/TNFA[Homo sapiens]

Activity in vitro

Adalimumab (anti-TNF-alpha) blocks the interaction of TNF with the p55 and p75 cell surface TNF receptors, thereby neutralising the activity of this cytokine. Through its anti-TNF actions, adalimumab reduces concentrations of matrix metalloproteases (MMP-1 and -3) and other markers of cartilage and synovium turnover, reduces of matrix metalloproteases (MMP-1 and -3) and other markers of cartilage and synovium turnover, and reduces concentrations of acute phase reactants of inflammation (C-reactive protein [CRP] and erythrocyte sedimentation rate [ESR]) and serum cytokines (IL-1 β mRNA, IL-1 receptor antagonist, IL-6).

Species

Homo sapiens

Receptor identification

IgG1-kappa

Chemistry

MV

148000.00 Da

CAS

331731-18-1

Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Store at +4°C short term (1-2 weeks).

Store at -20 °C 12 months.

Store at -80°C long term.