

Datasheet for ABIN5668145

## Recombinant anti-TNF alpha (Adalimumab Biosimilar) antibody



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### 1 Publication

#### Overview

Quantity:	200 µg
Target:	TNF alpha (Adalimumab Biosimilar)
Reactivity:	Human
Host:	Human
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This TNF alpha (Adalimumab Biosimilar) antibody is un-conjugated
Application:	ELISA, Blocking Reagent (BR), Immunofluorescence (IF), Immunohistochemistry (IHC)

#### Product Details

Immunogen:	This antibody was generated by affinity maturation from the 2SD4 scFv, which in turn was selected on human TNF alpha by guided phage-display technology, using the murine anti-hTNF alpha antibody Mab32 as a template (c.f. also US Patent 6090382).
Clone:	D2E7
Isotype:	IgG1 kappa
Specificity:	Binds to soluble TNF-alpha, but not to lymphotoxin (TNF beta).
Characteristics:	OriginalSpeciesName: Human OriginalFormat: IgG1
Purification:	Purified antibody.
Purity:	> 98 % as determined by SDS-PAGE

## Product Details

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Endotoxin Level: Endotoxin is < 1.0 EU/mg as determined by the LAL method

## Target Details

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Target: TNF alpha (Adalimumab Biosimilar)

Abstract: [TNF alpha \(Adalimumab Biosimilar\) Products](#)

Target Type: Biosimilar

Background: Tumor necrosis factor alpha

UniProt: [P01375](#)

## Application Details

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Application Notes: Adalimumab binds specifically to TNF and neutralizes the biological function of TNF by blocking its interaction with the p55 and p75 cell surface TNF receptors.

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

Restrictions: For Research Use only

## Handling

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Buffer: PBS with 0.02 % Proclin 300.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

## Publications

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Product cited in: Gupta, Flaskamp, Roentgen, Juergens, Armero-Gimenez, Albrecht, Hemmerich, Arfi, Neuser, Spiegel, Schillberg, Yeliseev, Song, Qiu, Williams, Finnern: "Scaling eukaryotic cell-free protein synthesis achieved with the versatile and high-yielding tobacco BY-2 cell lysate." in: **Biotechnology and bioengineering**, (2023) ([PubMed](#)).