



[Go to Product page](#)

Datasheet for ABIN7200655

Recombinant anti-TNF alpha (Adalimumab Biosimilar) antibody

Overview

Quantity:	1 mg
Target:	TNF alpha (Adalimumab Biosimilar)
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This TNF alpha (Adalimumab Biosimilar) antibody is un-conjugated
Application:	Flow Cytometry (FACS), In vivo Studies (in vivo)

Product Details

Purpose:	Adalimumab Biosimilar, TNF alpha Monoclonal Antibody
Immunogen:	The monoclonal antibody adalimumab biosimilar was produced in the adalimumab biosimilar CHO stable cell line.
Clone:	D2E7
Isotype:	IgG1 kappa
Specificity:	The monoclonal antibody adalimumab biosimilar specifically binds to the human TNF alpha.
Characteristics:	Recombinant Humanized IgG1 Monoclonal Antibody.
Purification:	Protein A affinity column
Purity:	> 95% by SDS-PAGE under reducing conditions and HPLC.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level: < 1 EU per 1 mg of the protein by the LAL method.

Target Details

Target: TNF alpha (Adalimumab Biosimilar)

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

Target Type: Biosimilar

Background: Adalimumab, the first fully human monoclonal antibody drug approved by FDA, binds to TNF α , inactivates TNF receptors, and downregulates the inflammatory reactions associated with a variety of autoimmune diseases, such as rheumatoid arthritis, psoriatic arthritis, ankylosing spondylitis, Crohn's disease, ulcerative colitis, moderate to severe chronic psoriasis and juvenile idiopathic arthritis.

Mainly produced by activated macrophages (M1), Tumor necrosis factor (TNF, cachexin, cachectin, tumor necrosis factor alpha, TNF α) plays important roles in the regulation of immune cells. As a member of a group of cytokines that stimulate the acute phase reaction, TNF is involved in systemic inflammation and able to induce fever, apoptotic cell death, cachexia, inflammation, and to inhibit tumorigenesis and viral replication and respond to sepsis via IL1 & IL6 producing cells. Dysregulation of TNF expression could have serious impact in a variety of human diseases including Alzheimer's disease, cancer, major depression and inflammatory bowel disease.

Application Details

Application Notes: ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by adalimumab.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS, pH 7.4, no stabilizers or preservatives.

Preservative: Without preservative

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

Handling

Storage: -20 °C

Storage Comment: 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.

Expiry Date: 12 months