Datasheet for ABIN7543059

Recombinant anti-TNF alpha (Adalimumab Biosimilar) antibody

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Overview

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

Product Details

Purpose:	Anti-TNF alpha [D2E7 (Adalimumab)], Mouse IgG2a, kappa
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:	IgG2a, kappa
Specificity:	Binds to soluble TNF-alpha, but not to lymphotoxin (TNF beta). Application Notes original Clone: 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. Adalimumab, unlike Infliximab (Ab00146), was shown to be cross-reactive with mouse TNF alpha (Arnoult 2017, PMID: 28584008).

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Product Details

Cross-Reactivity:	Mouse
Characteristics:	This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Purification:	Protein A affinity purified

Target Details

Target:	TNF alpha (Adalimumab Biosimilar)
Target Type:	Biosimilar
Background:	Tumor necrosis factor alpha
UniProt:	P01375

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	OriginalSpeciesName: Human OriginalFormat: IgG1
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
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.