

Mouse anti-Human TNF alpha Antibody | anti-TNFalpha antibody

Anti-TNF alpha [CDP 571 (Humicade)], Mouse IgG1

CATALOG # AAA72235	HOST Mouse	REACTIVITY Human	APPLICATIONS Neutralization Assay, ELISA
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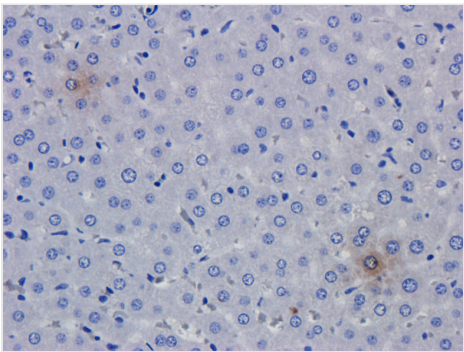
PRODUCT SYNONYMS

TNF alpha; Anti-TNF alpha [CDP 571 (Humicade)]; Mouse IgG1; TNFA; Tumour necrosis factor superfamily member 2; TNFSF2; anti-TNFalpha antibody

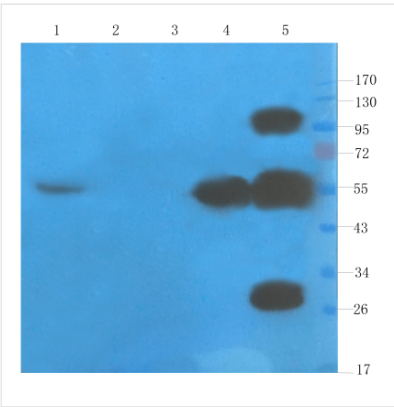
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	Mouse IgG1, Kappa
Clone Number	CDP 571 (Humicade)
Specificity	The antibody binds to human TNF-alpha with a Kd of 0.087 nM.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TNFalpha antibody	NTRL (Neutralization Assay), ELISA
Immunogen	Human TNF-alpha
Origin Pub PMID	7558164
Chimeric Use Statement	This is a research-grade biosimilar. This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG4 format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of rat liver using anti-TNFalpha antibody AAA72235. Formalin fixed rat liver slices were stained with a AAA72235-13.0 at 5 ug/ml.



WB (Western Blot)
Western Blot using anti-TNFalpha antibody AAA72235. Rat liver (lane 1), rat spinal cord (lane 2), mouse testis (lane 3), rat colon (lane 4) and human thyroid tumour (lane 5) samples were resolved on a 10% SDS PAGE gel and blots probed with AAA72235-13.0 at 1 ug/ml before being detected by a secondary antibody. The expected band size for TNFalpha is 26 kDa, however dimers and other higher order complexes are well described in the literature too (c.f. Petersen 1989, PMID: 2583226). AAA72235-13.0 successfully detected human and rat TNF alpha.

ADDITIONAL INFORMATION

Related Product Information for anti-TNFalpha antibody	The antibody binds specifically to TNF-alpha, a pro-inflammatory cytokine which stimulates release of other cytiokines e.g. IL-1, IL-6 and GM-CSF as well as secretion of ICAM-1 and VCAM-1 from endothelial cells. It stimulates acute phase responses and acts as a chemoattractant for NK cells and monocytes/macrophages. The antibody reached Phase II clinical trials with Celltech, UCB.
Product Categories/Family for anti-TNFalpha antibody	immunology; rheumatology; biosimilar
References	Stephens et al. Comprehensive pharmacokinetics of a humanized antibody and analysis of residual anti-idiotypic responses. Immunology. 1995 Aug;85(4):668-74. PMID:7558164

NCBI AND UNIPROT INFORMATION

NCBI GI #	25952111
NCBI GeneID	7124
NCBI Accession #	NP_000585.2
NCBI GenBank Nucleotide #	NM_000594.3
UniProt Accession #	P01375; O43647; Q9P1Q2; Q9UIV3
Molecular Weight	25,644 Da
NCBI Official Full Name	tumor necrosis factor
NCBI Official Synonym Full Names	tumor necrosis factor
NCBI Official Symbol	TNF
NCBI Official Synonym Symbols	DIF; TNFA; TNFSF2; TNF-alpha
NCBI Protein Information	tumor necrosis factor; TNF-a; cachectin; APC1 protein; TNF, monocyte-derived; TNF, macrophage-derived; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2
UniProt Protein Name	Tumor necrosis factor
UniProt Gene Name	TNF

UniProt Synonym Gene Names	TNFA; TNFSF2; TNF-a; NTF; ICD1; ICD2
UniProt Entry Name	TNFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-tnfalpha-human-antibody/tnf-alpha/72235>