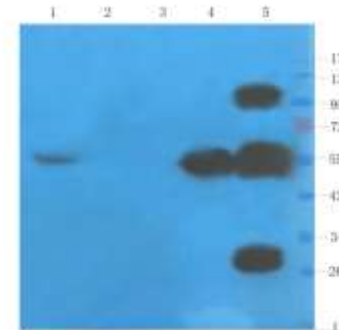
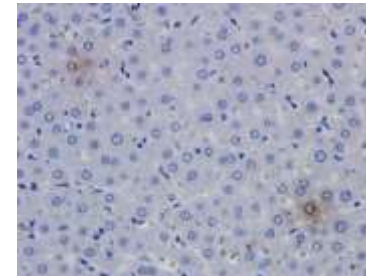


Anti-TNF alpha, Human IgG4 Antibody (Hm3)

CATALOG NO:	A1093-200
ALTERNATIVE NAMES:	Tumor necrosis factor superfamily member 2, TNFSF2, TNFA
AMOUNT:	200 µg
IMMUNOGEN:	Human TNF-alpha
ISOTYPE / FORMAT:	Human IgG4, kappa
CLONALITY:	Monoclonal
CLONE:	CDP 571
SPECIES REACTIVITY:	Human
FORM:	Liquid
SPECIFICITY:	The antibody binds to human $\alpha 5\beta 1$ integrin with a Kd of 0.367 nM (determined by Biacore), an EC50 of 0.2 nM and an IC50 of 2.3 nM.
PURIFICATION:	Affinity purified using Protein A
FORMULATION:	Supplied in PBS with preservative (0.02% Proclin 300)
STORAGE CONDITIONS:	Store at 4 °C for up to 3 months. For long term storage, aliquot and freeze at -20 °C. Avoid repeated freeze/defrost cycles.
DESCRIPTION:	Recombinant monoclonal antibody to TNF alpha. Manufactured using recombinant technology with variable regions (i.e. specificity) from the hybridoma CDP 571. The antibody binds specifically to TNF-alpha, a pro-inflammatory cytokine which stimulates release of other cytokines e.g. IL-1, IL-6 and GM-CSF as well as secretion of ICAM-1 and VCAM-1 from endothelial cells. TNF alpha stimulates acute phase responses and acts as a chemoattractant for NK cells and monocytes/macrophages.
APPLICATION:	ELISA; NTRL
REFERENCE:	Stephens <i>et al.</i> Comprehensive pharmacokinetics of a humanized antibody and analysis of residual anti-idiotypic responses. Immunology. 1995 Aug; 85 (4):668-74.



Western Blot using anti-TNF alpha antibody: 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 antibody at 1 µg/ml before being detected by a secondary antibody. The expected band size for TNF alpha is 26 kDa, however dimers and other higher order complexes are well described in the literature too (c.f. Petersen 1989, PMID: 2583226).



Immunohistochemical analysis of rat liver using anti-TNF alpha antibody: Formalin fixed rat liver slices were stained with Anti-TNF alpha antibody at 5 µg/ml

RELATED PRODUCTS:

- Anti-VEGF, humanized Antibody (Cat. No. A1045-100)
- Anti-HER2, humanized Antibody (Cat. No. A1046-100)
- Anti-EGFR, Chimeric Antibody (Cat. No. A1047-100)
- Anti-TNF- α , humanized Antibody (Cat. No. A1048-100)
- Anti-CD20, Chimeric Antibody (Cat. No. A1049-100)
- Anti-EGFR, humanized antibody (Cat. No. A1050-100)
- Anti-OX40L, Human IgG1 Antibody (Cat. No. A1088-200)
- Anti-CD11a, Human IgG1 Antibody (Cat. No. A1089-200)
- Anti-EGFR, Human IgG1 Antibody (Cat. No. A1090-200)
- Anti-CD4, Human IgG4 Antibody (Cat. No. A1091-200)
- Anti-TNF alpha, Human IgG1 Antibody (Cat. No. A1097-200)
- Anti-IL-2R alpha (CD25), Human IgG1 Antibody (Cat. No. A1098-200)
- Anti-IL-2R alpha, Human IgG1 Antibody (Cat. No. A1099-200)

FOR RESEARCH USE ONLY! Not to be used on humans.