

Anti-Human Tumor Necrosis Factor-alpha, Clone 4H31, Monoclonal Antibody

Catalog No.	MON9061	Quantity:	100 ug/ml
Concentration:	100 ug/ 1 ml. Centrifuge vial prior to opening.		
Specificity:	The antibody reacts with human native and recombinant TNF- α as assessed by ELISA. The antibody inhibits the biological activity of human native and recombinant TNF- α as determined with L929 cells in a cytotoxicity assay. The antibody cross-reacts with rhesus and cynomolgus natural TNF- α and lacks cross-reactivity with human lymphotoxin.		
Host:	Mouse.		
Antigen:	Human recombinant TNF-alpha.		
Isotype:	Mouse IgG ₁ .		
Clone:	4H31.		
Formulation:	Purified antibody solution in PBS, containing 0.1% BSA. Sterile filtered.		
Storage & Stability:	Store at 2-8 °C. Avoid repeated freeze-thaw cycles.		
Applications:	The antibody is useful for inhibition of the biological activity of TNF- α . It has been tested in cytotoxicity assays as well as in assays with activation of endothelial cells and found to be a powerful antibody. It is can be used to discriminated between TNF- α and TNF- β or lymphotoxin. Furthermore the antibody is useful for immunoassays, immunoprecipitation, flow cytometry and staining of TNF- α in western blots, although anti TNF- α antibody MON5006 is more useful for this purpose (depending on the sensitivity demanded). The antibody stains TNF- α in frozen sections of inflamed tissues. The optimal antibody concentration should be determined for each specific application.		

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