

TNFR2 Monoclonal Antibody (22221.311)

Catalog Number MA1-24723

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG2a	Tested Applications	
Class	Monoclonal	Flow Cytometry (Flow)	Assay-dependent
Type	Antibody	Neutralization (Neu)	0.5-1.0 µg/mL
Clone	22221.311	Immunocytochemistry (ICC/IF)	8-25 µg/mL
Immunogen	Recombinant human sTNF-RII, expressed in E. coli.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	purified		
Storage buffer	PBS		
Contains	no preservative		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: human peripheral blood lymphocytes. In Neutralization studies, at 0.5-1.0 µg/mL, this antibody will block 50% of the bioactivity due to 0.3 µg/mL recombinant human sTNF RII, in the presence of 0.25 ng/mL TNF-alpha in a crystal violet cytolytic assay using mouse L929 cells. Anti-Human sTNF RII is tested for its ability to neutralize the biological effect of sTNF-RII but not sTNF RI in a cytolytic assay using mouse L929 cells, in the presence of TNF-alpha. The ND50 of the antibody is defined as the concentration of antibody resulting in a one-half maximal inhibition of the soluble receptor activity on a responsive cell line, when the soluble receptor is present at a concentration just high enough to elicit a maximum response. Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

TNFR2 (tumor necrosis factor receptor superfamily member 1B) is a receptor with high affinity for TNFSF2/TNF-alpha. It has a much lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. TNFR2 mediates most of the metabolic effects of TNF-alpha.

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