

Anti-TNF-alpha Antibody-PE (1Q983)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | PE |
| Clone: | 1Q983 |
| Purification: | Protein A |

Applications

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| Verified Activity: | Flow cytometric analysis of Human TNF- α expression on human peripheral blood lymphocytes. Human peripheral blood mononuclear cells were stimulated for 4-6 hours with PMA and Ionomycin in the presence of GolgiPlug. The cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), stained with PE-conjugated anti-Human TNF- α and FITC-conjugated anti-Human CD3. The dot plots were derived from gated events with the forward and side light-scatter characteristics of viable lymphocytes. |
| Application: | FCM |
| Recommended | 2 μ l/Test, 0.1 mg/ml |

Properties

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| Stability & Storage: | Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | Recombinant Protein: Human TNF-alpha / TNFA Protein (TMPY-00936) |
| Antigen Species: | Human |
| Biology Area: | Cancer Drug Targets, Neuroinflammation |

Research Background

Tumor necrosis factor alpha (TNF-alpha), also known as TNF, TNFA or TNFSF2, is the prototypic cytokine of the TNF superfamily, and is a multifunctional molecule involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. Two receptors, TNF-R1 (TNF receptor type 1; CD120a; p55/60) and TNF-R2 (TNF receptor type 2; CD120b; p75/80), bind to TNF-alpha. TNF-alpha protein is produced mainly by macrophages, and large amounts of this cytokine are released in response to lipopolysaccharide, other bacterial products, and Interleukin-1 (IL-1). TNF-alpha is involved in fighting against the tumorigenesis, thus, is regarded as a molecular insight in cancer treatment. TNF-alpha Protein & Antibody Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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