

Humanized TNFα Monoclonal Antibody

SKU: EAB-056

Humanized TNFa monoclonal antibody (Clone ID: 3B12), expressed in Chinese Hamster Ovary cells (CHO), is capable of strong binding to human TNFa.

TNFα belongs to the TNF superfamily of cytokines and signals through its two receptors, TNFR1 and TNFR2 which can be activated by both the soluble trimeric and membrane-bound and forms of TNFα. TNFα is primarily produced by macrophages in response to foreign antigens such as bacteria (lipopolysaccharides), viruses, and parasites as well as mitogens and other cytokines but can also be expressed by monocytes, neutrophils, NK cells, CD4 T cells and some specialized dendritic cells. This TNFα monoclonal antibody is developed from phage display technologies from mouse synthetic scFv library (**SKU: ADL-07**). It is a humanized monoclonal antibody that binds specifically to human TNFα, and it can neutralize the bioactivity of human TNFα.

species reactivity	human
recombinant	expressed in Chinese Hamster Ovary cells (CHO).
applications	ELISA, WB, IHC, Flow Cyt, neutralization
antibody form	affinity purified immunoglobulin
immunogen	human TNFα
clone	3B12
purity	>95% (SDS-PAGE)
form	0.015 M PBS, 0.05% NaN ₃ , pH7.2
concentration	~ 2 mg/ml
isotype	human IgG1, k
Fc-engineered	n/a; wild type Fc

• Store at -20°C. Recombinant monoclonal antibodies are guaranteed stable for 12 months when properly stored.

References:

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3. Danese S, Fiorino G, Peyrin-Biroulet L. Positioning Therapies in Ulcerative Colitis. Clin Gastroenterol Hepatol. 2020, 18(6):1280-1290.

4. Berry M, Brightling C, Pavord I, Wardlaw A. TNF-alpha in asthma. Curr Opin Pharmacol. 2007, 7(3):279-282.