TNFR2 Rabbit/Human Chimeric Monoclonal Antibody

SKU: EAB-057

Recombinant rabbit/human monoclonal antibody (Clone ID: 5C5), expressed in Chinese Hamster Ovary cells (CHO), is capable of strong binding to human TNFR2.

Tumor necrosis factor receptor 2 (TNFR2), also known as tumor necrosis factor receptor superfamily member 1B (TNFRSF1B) and CD120b, is one of two membrane receptors that binds tumor necrosis factor-alpha (TNFα). TNFR2 mediates most of the metabolic effects of TNFα.This TNFR2 monoclonal antibody is developed from phage display technologies from rabbit naïve scFv library (**SKU: ADL-09**). It is a rabbit/human chimeric monoclonal antibody that binds specifically to human TNFR2, and it can neutralize the bioactivity of human TNFR2.

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 TNFR2
clone	5C5
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:

1. Anany MA, Haack S, Lang I, Dahlhoff J, Vargas JG, Steinfatt T, Päckert L, Weisenberger D, Zaitseva O, Medler J, Kucka K, Zhang T, Van Belle T, van Rompaey L, Beilhack A, Wajant H. Generic design principles for antibody-based tumour necrosis factor (TNF) receptor 2 (TNFR2) agonists with FcγR-independent agonism. Theranostics. 2024,14(2):496-509.
2. Torrey H, Kühtreiber WM, Okubo Y, Tran L, Case K, Zheng H, Vanamee E, Faustman DL. A novel TNFR2 agonist antibody expands highly potent regulatory T cells. Sci Signal. 2020, 13(661):eaba9600.
3. Jiang M, Liu J, Yang D, Tross D, Li P, Chen F, Alam MM, Faustman DL, Oppenheim JJ, Chen X. A TNFR2 antibody by countering immunosuppression cooperates with HMGN1 and R848 immune stimulants to inhibit murine colon cancer. Int Immunopharmacol. 2021, 101(Pt A):108345.