



Anti-fluorescein (FITC) Human Monoclonal Antibody (enhanced), Fc-engineered with Increased ADCC and CDC

SKU: EAB-007

Recombinant human monoclonal antibody (Clone ID: 4M5.3), expressed in Chinese Hamster Ovary cells (CHO), is capable of binding to fluorescein.

species reactivity	independent
recombinant	expressed in Chinese Hamster Ovary cells (CHO).
applications	WB, Flow Cyt, ELISA
antibody form	affinity purified immunoglobulin
immunogen	hapten fluorescein
clone	4M5.3
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	increased ADCC and CDC

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

References:

1. Kranz, D. M. & Voss, E. W., Jr (1981). Partial elucidation of an anti-hapten repertoire in BALB/c mice: comparative characterization of several mono-clonal anti-fluorescyl antibodies. *Mol. Immunol.* 18, 889–898.
2. Kranz, D. M., Herron, J. N. & Voss, E. W., Jr (1982). Mechanisms of ligand binding by monoclonal anti-fluorescyl antibodies. *J. Biol. Chem.* 257, 6987–6995.
3. Midelfort, K.S., Hernandez, H.H., Lippow, S.M., Tidor, B., Drennan, C.L. and Wittrup, K.D. (2004). Substantial Energetic Improvement with Minimal Structural Perturbation in a High Affinity Mutant Antibody. *J. Mol. Biol.* 343, 685–701.
4. Lazar et al., (2006). Engineered antibody Fc variants with enhanced effector function. *Proc. Natl. Acad. Sci. USA* 103, 4005–4010.