



CD4 Human Monoclonal Antibody

SKU: EAB-066

Recombinant human monoclonal antibody (Clone ID: 13B8.2), expressed in Chinese Hamster Ovary cells (CHO), is capable of strong binding to human CD4.

CD4 is a glycoprotein that serves as a co-receptor for the T-cell receptor (TCR). CD4 is found on the surface of immune cells such as helper T cells, monocytes, macrophages, and dendritic cells. This antibody is a mouse recombinant monoclonal antibody that binds specifically to human CD4, and it can neutralize the bioactivity of CD4.

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 CD4
clone	13B8.2
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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2. Troadec S, Chentouf M, Cérutti M, Nguyen B, Olive D, Bès C, Chardès T. In vitro antitumoral activity of baculovirus-expressed chimeric recombinant anti-CD4 antibody 13B8.2 on T-cell lymphomas. *J Immunother.* 2007 Feb-Mar;30(2):190-202.
3. Chentouf M, Rigo M, Ghannam S, Navarro-Teulon I, Mongrand S, Pèlegriin A, Chardès T. The lipid-modulating effects of a CD4-specific recombinant antibody correlate with ZAP-70 segregation outside membrane rafts. *Immunol Lett.* 2010 Oct 30;133(2):62-9.
4. Rigo M, Chentouf M, Pèlegriin A, Chardès T. CD4 ligation excludes the Carma1-Bcl10-MALT1 complex from GM1-positive membrane rafts in CD3/CD28 activated T cells. *Cell Immunol.* 2011;270(1):40-6.