

## CCR2 Human Monoclonal Antibody, Fc-engineered with increased ADCC

SKU: EAB-030

Recombinant human monoclonal antibody (Clone ID: 5B11), expressed in Chinese Hamster Ovary cells (CHO), is capable of strong binding to Chemokine (C-C motif) receptor 2 (CCR2).

CCR2, a chemokine receptor, is a regulator of monocyte/macrophage trafficking and is upregulated in response to inflammation. Our CCR2 monoclonal antibody is developed from phage display technologies. This antibody has been extensively tested for its accuracy and reliability: specifically recognizes human CCR2.

species reactivity	human
recombinant	expressed in Chinese Hamster Ovary cells (CHO).
applications	ELISA, WB, IHC, Flow Cyt
antibody form	affinity purified immunoglobulin
immunogen	Human CCR2 extracellular domain
clone	5B11
purity	>95% (SDS-PAGE)
form	0.015 M PBS, 0.05% NaN <sub>3</sub> , pH7.2
concentration	~ 2 mg/ml
isotype	human IgG1, k
Fc-engineered	Fc-engineered, increased ADCC

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

### References:

1. Parent-Roberge, H., Fontvieille, A., Poirier, L., Tai, L.H., Pavic, M., Fülöp, T., Riesco, E. (2024) Acute natural killer cells response to a continuous moderate intensity and a work-matched high intensity interval exercise session in metastatic cancer patients treated with chemotherapy. *Brain Behav Immun Health*.
2. Kagaya H, Kim AS, Chen M, Lin PY, Yin X, Spite M, Conte MS. (2024) Dynamic changes in proresolving lipid mediators and their receptors following acute vascular injury in male rats. *Physiol Rep*. 2024 Aug;12(15):e16178.
3. Davidoff Aguas E, Azizoglu AR, Kashyap J, Dodd-O J, Siddiqui Z, Sy J, Kumar V. Rational Design of de novo CCL2 Binding Peptides. (2023) *Adv Theory Simul*. 6(2), 2200810.
4. Novita BD, Tjahjono Y, Wijaya S, Theodora I, Erwin F, Halim SW, Hendrawan B, Jaya DK, Tahalele PL. (2022) Characterization of chemokine and cytokine expression pattern in tuberculous lymphadenitis patient. *Front Immunol*. 13, 983269.