

## 12-8021: Anti-Human CD194 (CCR4) (Mogamulizumab) - HRP

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	KW-0761
<b>Application :</b>	ELISA
<b>Reactivity :</b>	Human
<b>Alternative Name :</b>	CD194; CKR-4; CCR-4; CCR4; K5-5
<b>Isotype :</b>	Human IgG1k
<b>Immunogen Information :</b>	Humanization of mouse anti-CCR4 mAb7.

### Description

Expression Host : HEK-293

This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Mogamulizumab. Clone KW-0761 recognizes human CD194 (CCR4). This product is for research use only.

Clone KW-0761 (Mogamulizumab) is a research-grade, afucosylated, humanized monoclonal antibody generated from mouse anti-CCR4 mAb7 that targets human CCR4.1 CC chemokine receptor type 4 (CCR4) is a protein that belongs to the G protein-coupled receptor family and is a receptor for a variety of CC chemokines including MCP-1, MIP-1, RANTES, TARC, and Macrophage-derived chemokine. Chemokines are involved in the development, homeostasis, and function of the immune system and are known to regulate cell trafficking of various types of leukocytes. In a 2018 Phase I clinical trial, Mogamulizumab was found to decrease the number of HTLV-1 $\Delta$ -infected cells and the levels of inflammatory markers related to HTLV-1 $\Delta$ -Associated Myelopathy.<sup>3</sup>

### Product Info

<b>Amount :</b>	100 $\mu$ g Concentration : 0.5 mg/ml
<b>Content :</b>	This HRP-conjugated antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4, 1% BSA. (Warning: Use of sodium azide as a preservative will inhibit the enzyme activity of horseradish peroxidase)
<b>Storage condition :</b>	This horseradish peroxidase conjugated monoclonal antibody is stable when stored at 2-8°C. Do not freeze.

### Application Note

The suggested concentration for Mogamulizumab biosimilar antibody for staining cells in flow cytometry is  $\leq 1.0 \mu$ g per 10<sup>6</sup> cells in a volume of 100  $\mu$ l. Titration of the reagent is recommended for optimal performance for each application.ELISA