

## IVMB0424

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### Product Information

<b>Product SKU:</b> IVMB0424	<b>Clone:</b> KW-0761	<b>Target:</b> CD194
<b>Size:</b> 100 µg		<b>Isotype:</b> Human IgG1k

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### Additional Information

<b>Reactivity:</b> Human	<b>Host Species:</b> Human
<b>Antibody Type:</b> Biosimilar Recombinant Human Monoclonal Antibody	<b>Expression Host:</b> HEK-293 Cells

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### Immunogen Information

**Background:** Clone KW-0761 (Mogamulizumab) is a research-grade, afucosylated, humanized monoclonal antibody generated from mouse anti-CCR4 mAb7 that targets human CCR4.<sup>1</sup> 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-infected cells and the levels of inflammatory markers related to HTLV-1-Associated Myelopathy.<sup>3</sup>

**Product Concentration:** 0.5 mg/ml

**Applications:** ELISA

**Synonyms:** Mogamulizumab, CD194, CCR4

**Antigen Distribution:** CCR4 is primarily expressed by Th2 and regulatory T cells in addition to expression on leukemic cells in cutaneous T-cell lymphoma (CTCL).

**Immunogen:** Humanization of mouse anti-CCR4 mAb7.

- Formulation:** 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)**
- Specificity:** 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.
- Pathogen Testing:** -
- Storage & Handling:** This horseradish peroxidase conjugated monoclonal antibody is stable when stored at 2-8°C. Do not freeze.