

IVMB0422

Product Information

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| Product SKU: IVMB0422 | Clone: KW-0761 | Target: CD194 |
| Size: 100 µg | | Isotype: Human IgG1k |

Additional Information

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| Reactivity: Human | Host Species: Human |
| Antibody Type: Biosimilar Recombinant Human Monoclonal Antibody | Expression Host: HEK-293 Cells |

Immunogen Information

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

Product Concentration: 0.5 mg/ml

Applications: Depletion

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.