

Product datasheet for **TA386079**

CCR4 Rabbit Monoclonal Antibody [Clone ID: KW-0761 (Mogamulizumab)]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | KW-0761 (Mogamulizumab) |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG, kappa |
| Clonality: | Monoclonal |
| Immunogen: | This antibody was prepared by humanization of a mouse anti-CCR4 mAb. |
| Specificity: | This antibody is specific for human CCR4, a chemokine receptor that is preferentially expressed by Th2 and regulatory T (Treg) cells. CCR4 is also detected on basophils, platelets, monocytes and brain microvascular and coronary artery endothelial cells. |

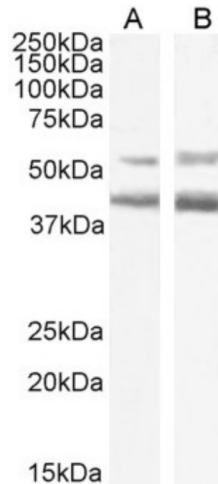
The clinically used format of this antibody (which underwent additional de-fucosylation to increase antibody-dependent cellular cytotoxicity (ADCC)), has significant clinical activity in heavily pretreated patients with mycosis fungoides and Sézary syndrome, and is associated with an overall response rate of 36.8% and a median duration of response of 10.4 months (Duvic et al, 2014). It was shown to CCR4-expressing cells by antibody-dependent, cell-mediated cytotoxicity (ADCC). Therapeutically, this results in a dual mechanism of action; in addition to directly targeting malignant T cells over-expressing CCR4, this antibody also depletes T reg cells, an important therapeutic target in human cancers. This antibody is well-tolerated, and administration does not appear to trigger clinically significant autoimmune complications in phase 1/2 trials (Duvic et al, 2014). This antibody has been approved in Japan for the treatment of relapsed or refractory adult T-cell leukemia/lymphoma, and is in clinical trials for solid cancers. For the avoidance of doubt - the material produced by Absolute Antibody has not been de-fucosylated.

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| Formulation: | PBS with 0.02% Proclin 300. |
| Concentration: | lot specific |
| Conjugation: | Unconjugated |
| Storage: | Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles. |
| Stability: | 3 years from dispatch. |



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| Gene Name: | C-C motif chemokine receptor 4 |
| Database Link: | Entrez Gene 1233 Human P51679 |
| Synonyms: | CC-CCR-4; CCR-4; CD194; ChemR13; CKR4; CMKBR4; HGNC:14099; k5-5; MGC88293 |
| Note: | This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques. |

Product images:

Western Blot using anti-CCR4 antibody KW-0761 (Mogamulizumab) (TA386079) Human brain cerebellum (A) and human heart (B) lysates (35 μ g protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit IgG version of KW-0761 (TA386079) at 2 μ g/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected running size for CCR4 is 37.7kDa.