Anti-Human CCR4 Therapeutic Antibody (Mogamulizumab)

Cat. No.: TAB-187
This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview
Recombinant monoclonal antibody to CCR4. Mogamulizumab (USAN; trade name Poteligeo) is a humanized monoclonal antibody targeting CC chemokine receptor 4 (CCR4). It has been approved in Japan for the treatment of relapsed or refractory adult T-cell leukemia/lymphoma.

Host Species
Mouse

Specificity
Tested positive against native human antigen.

Target
CCR4

Immunogen
KLH conjugate CCR4 partial peptide

Derivation
Humanized (from mouse)

Species Reactivity
Human

Type
IgG1 - kappa

Expression Host
CHO

Trade name
Poteligeo

CAS
1159266-37-1

Generic Name
Mogamulizumab

MW
146.44 kDa

Purity
>95.0% as determined by analysis by SDS-PAGE.
Applications  Neut, ELISA, IF, IP, FuncS, FC, ICC

Application Notes  The CCR4 antibody has been reported in applications of FC, Inhib, Cyt, Agonist, IHC, RT-PCR, Migration.
FC: For flow cytometric analysis, cells were stained at 4°C with fluorescein isothiocyanate-conjugated anti-human CCR4.
Migration assay: In vitro cell migration was assayed using a CytoSelect 96-Well Cell Migration Assay kit (5 μm, Fluorometric Format) according to the manufacturer’s protocol.

Formulation  C6520H10072N1736O2020S42

Size  1mg

Storage  Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing of samples.

Related Disease  Asthma

BACKGROUND

Introduction  High affinity receptor for the C-C type chemokines CCL17/TARC and CCL22/MDC. The activity of this receptor is mediated by G(i) proteins which activate a phosphatidylinositol-calcium second messenger system. Can function as a chemoattractant homing receptor on circulating memory lymphocytes and as a coreceptor for some primary HIV-2 isolates. In the CNS, could mediate hippocampal-neuron survival.

Alternative Names  Mogamulizumab;Poteligeo;1159266-37-1;KW-0761;AMG-761;Poteligeo;CCR4;chemokine (C-C motif) receptor 4;C-C chemokine receptor type 4;CC CKR 4;CD194;ChemR13;CRK4;CMKBR4;k5 5;CCR-4;C-C CKR-4;chemokine (C-C) receptor 4;K5-5;CC-CKR-4;HGCN:14099;MGC88293;

Gene ID  1233

UniProt ID  P51679