Product Name: **CD197 Mouse Monoclonal Antibody**
Catalog #: **AMM81972**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	42.9kDa

Antigen Information

Gene Name	CD197
Alternative Names	BLR2; EBI1; CCR-7; CCR7; CDw197; CMKBR7; CC-CKR-7
Gene ID	1236.0
SwissProt ID	P32248
Immunogen	Purified recombinant fragment of human CD197 (AA: extra mix) expressed in E. Coli.

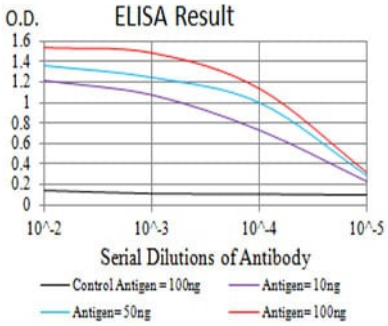
Background

The protein encoded by this gene is a member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of

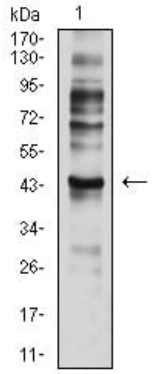
memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. Signals mediated by this receptor regulate T cell homeostasis in lymph nodes, and may also function in the activation and polarization of T cells, and in chronic inflammation pathogenesis. Alternative splicing of this gene results in multiple transcript variants.

Research Area

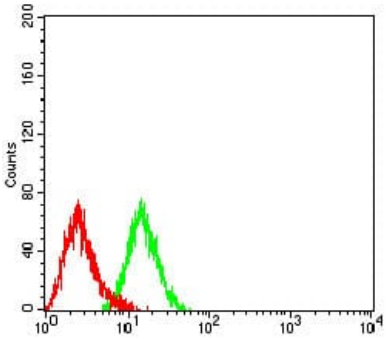
Image Data



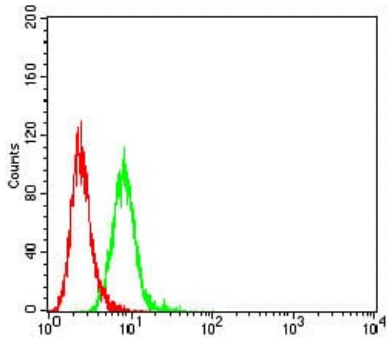
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CD197 mouse mAb against C6 (1) cell lysate.



Flow cytometric analysis of HL-60 cells using CD197 mouse mAb (green) and negative control (red).



Flow cytometric analysis of K562 cells using CD197 mouse mAb (green) and negative control (red).