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Datasheet for ABIN7457594
anti-CCR6 antibody (PE-Cy7)

Overview

Quantity:	20 tests
Target:	CCR6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CCR6 antibody is conjugated to PE-Cy7
Application:	Flow Cytometry (FACS)

Product Details

Clone:	G034E3
Isotype:	IgG2b, kappa

Target Details

Target:	CCR6
Alternative Name:	CD196/CCR6 (CCR6 Products)
Background:	CKRL3, CMKBR6, GPR29, STRL22,GPRCY4,CCR6, also known as CD196/CCR6, is a chemokine receptor that is expressed on immature dendritic cells, B lymphocytes, and memory T cells. CCR6 binds CCL20, although members of the β defensin family also bind CCR6 with a lower affinity. CCR6 positive cells, and its ligand CCL20, have been detected in numerous organs, especially the secondary lymphoid organ. CCL20 is selectively made by the follicle-associated epithelium (FAE) overlying Peyers Patches (PPs) and isolated lymphoid follicles (ILFs). CCL20

Target Details

contributes to the recruitment of CCR6-expressing B cells to these structures. In humans, CCR6 can function to mediate arrest of T cells on dermal endothelial cells and is highly expressed on T cells resident in both normal and psoriatic skin. CCR6 and/or CCL20 have been implicated in the pathogenesis of rheumatoid arthritis and inflammatory bowel disease. Human T cells that are able to produce IL-17 express CCR6. It suggests that CCL20 and CCR6 have a role in inflammatory diseases by recruiting Th17 cells to target tissues.

Gene ID: 1235

UniProt: [P51684](#)

Pathways: [cAMP Metabolic Process](#)

Application Details

Application Notes: The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood). Check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Comment: Matching Isotype Control: PE/Cyanine7 Mouse IgG2b, κ Isotype Control (ABIN7469798)

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.05 % Proclin300, 1 % BSA

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.