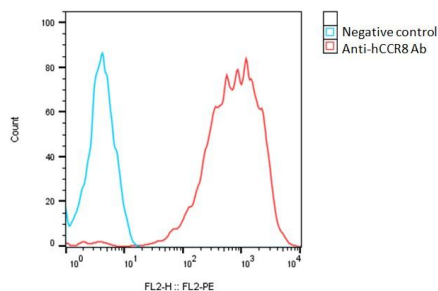


SPECIFICATIONS

Catalog Number	C3033
Cell Line Name	Human CCR8-HEK293 Stable Cell Line
Accession Number	NP_005192.1
Host Cell	HEK293
Quantity	Two vials of frozen cells (2x10 ⁶ per vial)
Culture Medium	DMEM with 10% FBS, 1 µg/ml puromycin
Freezing Medium	90% FBS and 10% DMSO
Storage	Liquid nitrogen

DATA

Detection of human CCR8 expression on human CCR8-CHO-K1 cells using a PE-anti-human CCR8 antibody

**BACKGROUND**

CCR8, also known as CY6, TER1, CCR-8, CKRL1, CDw198, CMKBR8, GPRCY6, CMKBRL2, CC-CKR-8, is a C-C motif chemokine receptor of the G protein-coupled receptor (GPCR) family and is expressed on the cell surface of regulatory T cells (Tregs). Activation of CCR8 by binding of C-C motif chemokine ligands CCL1, CCL8, CCL16 and CCL18 can lead to activating the functionality of Tregs in immune response suppression. CCR8 expression is upregulated and highly expressed in many cancers such as bladder, breast, and colorectal cancer increasing migration and invasion activity and antiapoptosis in Tregs. This activity shows an association between CCR8 expression and cancer progression making CCR8 a potential target molecule for cancer immunotherapy.

References

Saito M, Suzuki H, Tanaka T, Asano T, Kaneko MK, Kato Y. Development of an Anti-Mouse CCR8 Monoclonal Antibody (C₈Mab-1) for Flow Cytometry and Immunocytochemistry. *Monoclon Antib Immunodiagn Immunother*. **41(6)**:333-338. 2022.

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