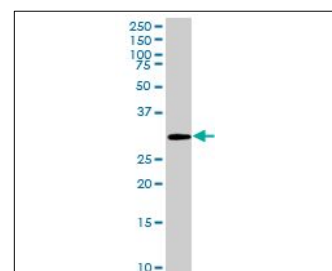


KB488

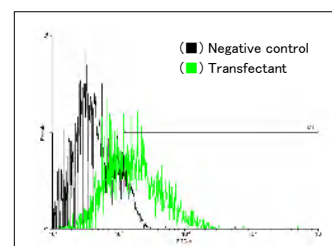
For research use only

## Anti Human CCR5 Polyclonal Antibody

<b>Code No.</b>	KB488
<b>Target</b>	CCR5
<b>Category</b>	GPCR
<b>Gene ID</b>	1234
<b>Primary Source</b>	HGNC:1606
<b>Synonyms</b>	CKR5; CD195; CKR-5; CCCKR5; CMKBR5; IDDM22; CC-CKR-5; FLJ78003; CCR5
<b>Type</b>	Polyclonal Antibody
<b>Immunogen</b>	Recombinant protein of full length Human CCR5
<b>Raised in</b>	Mouse
<b>Myeloma</b>	-
<b>Clone number</b>	-
<b>Purification</b>	Protein A purified
<b>Source</b>	Mouse Serum
<b>Isotype</b>	-
<b>Cross Reactivity</b>	-
<b>Label</b>	Unlabeled
<b>Concentration</b>	0.5 mg/mL
<b>Contents (Volume)</b>	50 µg
<b>Buffer</b>	PBS, pH 7.2



[WB] CCR5 transfected 293T cell lysate



[FCM] CCR5 expressing 293 cells

**Storage** Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

**Application** WB, FCM

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	1.0	-	-

(µg/mL)

**Reference**

- Samson M., et al. "Molecular cloning and functional expression of a new human CC-chemokine receptor gene." *Biochemistry* 35:3362-3367(1996)
- Raport C.J., et al. "Molecular cloning and functional characterization of a novel human CC chemokine receptor (CCR5) for RANTES, MIP-1beta, and MIP-1alpha." *J. Biol. Chem.* 271:17161-17166(1996)
- Combadiere C., et al. "Cloning and functional expression of CC CKR5, a human monocyte CC chemokine receptor selective for MIP-1(alpha), MIP-1(beta), and RANTES." *J. Leukoc. Biol.* 60:147-152(1996)

**UniPlot Summary**

//Function: Receptor for a number of inflammatory CC-chemokines including MIP-1-alpha, MIP-1-beta and RANTES and subsequently transduces a signal by increasing the intracellular calcium ion level. May play a role in the control of granulocytic lineage proliferation or differentiation. Acts as a coreceptor (CD4 being the primary receptor) for HIV-1 R5 isolates.

//Subcellular location: Cell membrane; Multi-pass membrane protein.

//Tissue specificity: Highly expressed in spleen, thymus, in the myeloid cell line THP-1, in the promyeloblastic cell line KG-1A and on CD4+ and CD8+ T-cells. Medium levels in peripheral blood leukocytes and in small intestine. Low levels in ovary and lung.

//Sequence similarities: Belongs to the G-protein coupled receptor 1 family.