

For Research Use Only

# CXCR5 Recombinant antibody

Catalog Number: 84639-2-RR



## Basic Information

<b>Catalog Number:</b> 84639-2-RR	<b>GenBank Accession Number:</b> BC110352	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 643	<b>CloneNo.:</b> 241777A10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P32302	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> chemokine (C-X-C motif) receptor 5	
	<b>Calculated MW:</b> 372 aa, 42 kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Daudi cells, Raji cells, Ramos cells, Jurkat cells, K-562 cells
<b>Species Specificity:</b> human	

## Background Information

Initially discovered in 1992 as Burkitt's lymphoma receptor 1, CXCR5 (chemokine receptor 5, also known as CD185) is a seven-transmembrane G protein-coupled receptor (GPCR) protein (PMID: 32994482). CXCR5 is essential for naïve B-cell migration to and maturation in the lymph nodes and spleen, as well as for cluster of differentiation 4 T-cell (TFH and TCM) homing and interaction with B cells (PMID: 21471443). Moreover, CXCR5 is involved in the regulation of neural stem cells (NSC) and neuronal regeneration in the mouse brain, neuronal differentiation, neurogenesis, gliogenesis, and synaptogenesis (PMID: 37460877).

## Storage

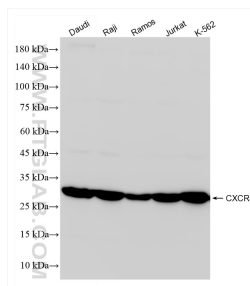
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84639-2-RR (CXCR5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.