

Store at  
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#72172**CXCR5 (D6L3C) Rabbit mAb**

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<b>Applications:</b> IHC-Bond, IHC-P	<b>Reactivity:</b> H	<b>Sensitivity:</b> Endogenous (IHC-P)	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P32302	<b>Entrez-Gene Id:</b> 643
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**Product Usage Information****Application**

IHC Leica Bond  
Immunohistochemistry (Paraffin)

**Dilution**

1:50 - 1:200  
1:200

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

For a carrier-free (BSA and azide free) version of this product see product #99825

**Specificity/Sensitivity**

CXCR5 (D6L3C) Rabbit mAb recognizes endogenous levels of total CXCR5 protein.

**Source / Purification**

Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the extracellular domains of human CXCR5 protein.

**Background**

CXCR5 is a G protein-coupled receptor belonging to the chemokine receptor subfamily (1). Upon binding of its ligand, the chemokine CXCL13, CXCR5 initiates multiple intracellular signaling pathways that regulate cell proliferation, survival, and migration (2). CXCR5 is expressed in both mature B cells and follicular helper T cells, and responds to CXCL13 gradient to control lymphocyte migration toward secondary lymphoid tissues (3). CXCR5 has also been shown to be highly expressed in primary breast tumors, in correlation with their propensity to grow and metastasize (4).

**Background References**

1. Zlotnik, A. and Yoshie, O. (2000) *Immunity* 12, 121-7.
2. Luster, A.D. (1998) *N Engl J Med* 338, 436-45.
3. Breitfeld, D. et al. (2000) *J Exp Med* 192, 1545-52.
4. Razis, E. et al. (2012) *Clin Breast Cancer* 12, 183-93.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Applications Key**

**IHC-Bond:** IHC Leica Bond **IHC-P:** Immunohistochemistry (Paraffin)

**Cross-Reactivity Key**

**H:** Human

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