**Medaysis**
***Enable Innovation***

DATA SHEET

# Rabbit Anti-CD185/CXCR5 [MD147R]: RM0194

**Intended Use:** For Research Use Only

**Description:** CD185 is a G protein-coupled receptor belonging to the chemokine receptor subfamily. Upon binding of its ligand, the chemokine CXCL13, CXCR5 initiates multiple intracellular signaling pathways that regulate cell proliferation, survival, and migration. CXCR5 is expressed in both mature B cells and follicular helper T cells, and respond to CXCL13 gradient to control lymphocyte migration towards secondary lymphoid tissues. CXCR5 has also been shown to be highly expressed in primary breast tumors, in correlation with their propensity to grow and metastasize. CXCR5 binds B-lymphocyte chemoattractant (BLC) and is involved in B-cell homing to follicles in lymph nodes and spleen. Two isoforms are produced by alternative splicing. CXCR5 expression has been reported in human blood and salivary gland and in animal lymphatic organs, blood, bone marrow, brain, liver, lymph node, skin, spleen, stomach, and tonsil. ESTs have been isolated from human brain, germ cell, lung, lymph, pancreas, skin, stomach, and uterus cancer libraries, and from normal human blood, liver/spleen, lymph node, nerve, placenta, small intestine, tonsil, and B-cell/lung/testis libraries.

**Specifications:**

| | |
|---|---|
| Clone: | MD147R |
| Source: | Rabbit |
| Isotype: | IgG |
| Reactivity: | Human, mouse, rat |
| Immunogen: | Synthetic peptide to CXCR5 |
| Localization: | Membrane |
| Formulation: | Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3) |
| Storage: | Store at 2°- 8°C |
| Applications: | IHC, Flow Cyt., ICC/IF, WB |

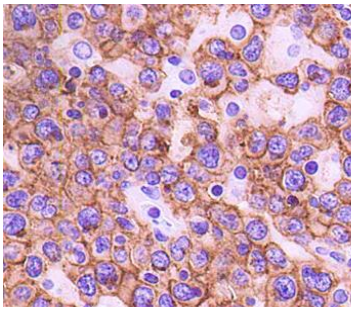
Package:

| Description | Catalog No. | Size |
|---|---|---|
| CD185/CXCR5 Concentrated | RM0194 | 1 ml |

**IHC Procedure*:**

| | |
|---|---|
| Positive Control Tissue: | Human tonsil, diffuse large B- lymphoma tissue |
| Concentrated Dilution: | 50-200 |
| Pretreatment: | Citrate pH6.0 or EDTA pH8.0, 15 min Pressure Cooker or 30-60 min water bath at 95°-99°C |
| Incubation Time and Temp: | Overnight @ 4°C |
| Detection: | Refer to the detection system manual |

* Result should be confirmed by an established diagnostic procedure.



FFPE human diffuse large B-cell lymphoma tissue stained with anti-CXCR5 using DAB

**References**


1. PD-1 expression defines two distinct T-cell sub-populations in follicular lymphoma that differentially impact patient survival. Yang ZZ, et al. Blood Cancer J 5:e281, 2015.
2. Improved outcome of high-risk early HER2 positive breast cancer with high CXCL13-CXCR5 messenger RNA expression. Evangelia Razis, et al. Clin Breast Cancer. Jun;12(3):183-93, 2012.
3. Follicular B helper T cells express CXC chemokine receptor 5, localize to B cell follicles, and support immunoglobulin production. D Breitfeld, et al. J Exp Med. Dec 4;192(11):1545-52, 2000.





Orders: customercare@medaysis.com Support: techsupport@medaysis.com Tel: 510-509-3153 www.medaysis.com