

Rabbit Anti-CD197/CCR7 [CFO3]: RM0040

Intended Use: For Research Use Only

Description: CD197 (CCR7) is a member of the G protein coupled receptor family (subfamily : chemokine). This receptor was identified as a gene induced by the Epstein Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. CD197 has been reported to be expressed in blood, bone marrow, lymph node, and intestine. It is particularly expressed in lymphoid tissues and in activated B and T lymphocytes and has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. ESTs have been isolated from blood, embryo, lymph node, and thymus libraries.

Specifications:

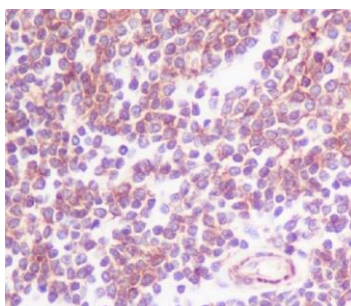
Clone: CFO3
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human, mouse, rat
 Immunogen: Synthesized peptide derived from human CD197
 Localization: Membrane
 Formulation: Antibody in PBS pH7.4, containing BSA, and ≤ 0.09% sodium azide (NaN₃).
 Storage: Store at 2°- 8°C
 Applications: IHC, ICC/IF, IP, WB
 Package:

Description	Catalog No.	Size
CD197/CCR7 Concentrated	RM0040	1 ml

IHC Procedure*:

Positive Control Tissue: Tonsil, spleen, Hodgkin's lymphoma
 Concentrated Dilution: 25-100
 Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes 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 spleen stained with anti-CD197 using DAB

References:

1. Proinflammatory polarization of stifle synovial macrophages in dogs with cruciate ligament rupture. Yarnall BW, et al. Vet Surg 48:1005-1012, 2019.
2. TREM-1 associated macrophage polarization plays a significant role in inducing insulin resistance in obese population. Subramanian S, et al. J Transl Med 15:85, 2017.
3. Ccl21/Ccr7 Enhances The Proliferation, Migration, And Invasion Of Human Bladder Cancer T24 Cells. Mo M, et al. Plos One. Mar 23;10(3):E0119506, 2015. Ecollection 2015.