

Allgemeine Informationen

Katalog-Nr.: Biotin-11073	GenBank-Zugangsnummer: BC020968	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 1000 µg/ml von 7852 Nanodrop;	GeneID (NCBI): Vollständiger Name: chemokine (C-X-C motif) receptor 4	Empfohlene Verdünnungen: IHC 1:50-1:500
Wirt: Kaninchen	Berechnete Masse: 352 aa, 40 kDa	
Isotyp: IgG	Beobachtete Masse: 60-70 kDa	
Immunogen Katalognummer: AG1528		

Anwendungen

Geprüfte Anwendungen: IHC	Positivkontrollen: IHC: Mausmilzgewebe,
Getestete Reaktivität: Human, Maus, Ratte	

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

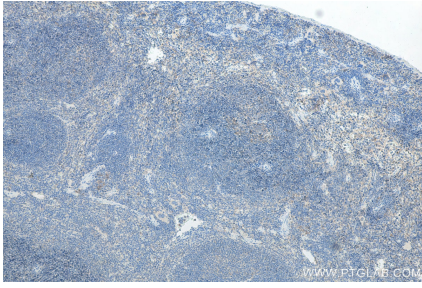
C-X-C chemokine receptor type 4 (CXCR4) is a widely expressed G protein-coupled seven-transmembrane receptor. CXCL12/SDF-1 is the biological ligand for CXCR4. The binding of CXCL12 to CXCR4 induces intracellular signaling through several divergent pathways initiating signals related to chemotaxis, cell survival and/or proliferation, increase in intracellular calcium, and gene transcription (PMID: 20484021). CXCR4 also functions as a coreceptor for HIV-1 entry (PMID: 9427609). CXCR4 has a calculated molecular weight of 40 kDa. In addition to the predicted species of 45-47 kDa for glycosylated CXCR4 monomers, due to ubiquitination, dimeration, and different degrees of glycosylation, additional species can also exist and have been reported in some researches, including 67 kDa (PMID: 23917520), 55, 67, 87 kDa (PMID: 20028517), 80 kDa (PMID: 10506573), 47, 50, 62, and 98 kDa (PMID: 16204649).

Lagerung

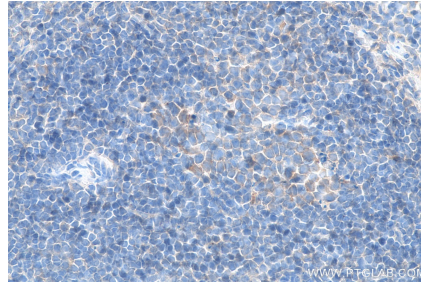
Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

Ausgewählte Validierungsdaten



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using Biotin-11073 (CXCR4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using Biotin-11073 (CXCR4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).