

Nur für Forschungszwecke

CXCR4 Monoklonaler Antikörper

Katalog-Nr.:60042-1-Ig

Vorgestelltes Produkt

35 Publikationen



Allgemeine Informationen

Katalog-Nr.:

60042-1-Ig

Größe:

150ul, Konzentration: 1500 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Maus

Isotyp:

IgM

Immunogen Katalognummer:

AG1528

GenBank-Zugangsnummer:

BC020968

GeneID (NCBI):

7852

Vollständiger Name:

chemokine (C-X-C motif) receptor 4

Berechnete Masse:

352 aa, 40 kDa

Beobachtete Masse:

60-70 kDa

Reinigungsmethode:

Caprylsäure/Ammoniumsulfat-Präzipitation

CloneNo.:

4B5E4

Empfohlene Verdünnungen:

WB 1:1000-1:4000

IHC 1:300-1:1200

Anwendungen

Geprüfte Anwendungen:

FC, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Human, Maus

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

Positivkontrollen:

WB : HeLa-Zellen, Daudi-Zellen, Jurkat-Zellen, K-562-Zellen, Ramos-Zellen, THP-1-Zellen, U-937-Zellen

IHC : humanes Tonsillitisgewebe, humanes Mammakarzinomgewebe, humanes Prostatakarzinomgewebe, Maushirngewebe, Mausmilzgewebe

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, dimerization, 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).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yibin Zhao	34540665	Front Oncol	WB
Jianjun Ma	36368650	Biochim Biophys Acta Mol Basis Dis	IF
Rui Liu	26459497	Mol Med Rep	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

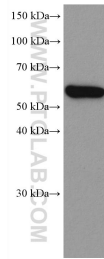
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

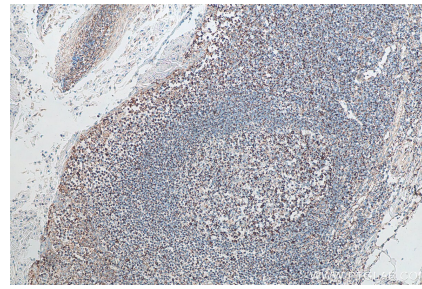
E: proteintech@ptglab.com
W: ptglab.com

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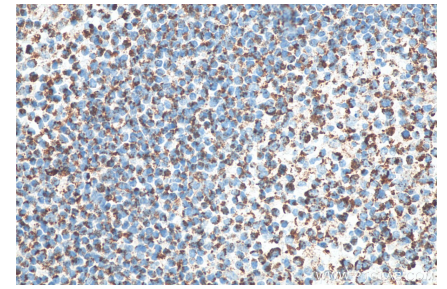
Ausgewählte Validierungsdaten



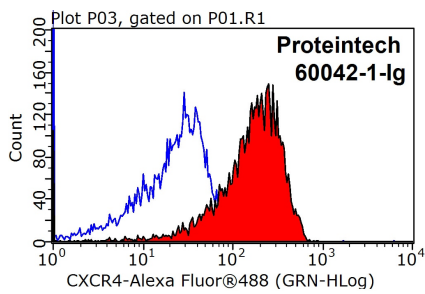
HeLa cells were subjected to SDS PAGE followed by western blot with 60042-1-Ig (CXCR4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60042-1-Ig (CXCR4 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60042-1-Ig (CXCR4 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ Jurkat cells were stained with 0.2ug CXCR4 antibody (60042-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.