

Nur für Forschungszwecke

# CXCR4 Monoklonaler Antikörper

Katalog-Nr.: Biotin-60042

Vorgestelltes Produkt



## Allgemeine Informationen

<b>Katalog-Nr.:</b> Biotin-60042	<b>GenBank-Zugangsnummer:</b> BC020968	<b>Reinigungsmethode:</b> Caprylsäure/Ammoniumsulfat-Präzipitation
<b>Größe:</b> 100ul, Konzentration: 1000 µg/ml von7852	<b>GeneID (NCBI):</b> Vollständiger Name:	<b>CloneNo.:</b> 4B5E4
<b>Nanodrop;</b>	<b>Berechnete Masse:</b> 352 aa, 40 kDa	<b>Empfohlene Verdünnungen:</b> IHC 1:50-1:500
<b>Wirt:</b> Maus	<b>Beobachtete Masse:</b> 60-70 kDa	
<b>Isotyp:</b> IgM	<b>Immunogen Katalognummer:</b> AG1528	

## Anwendungen

**Geprüfte Anwendungen:**

IHC

**Getestete Reaktivität:**

Human, Maus

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

**Positivkontrollen:**

IHC: humanes Mammakarzinomgewebe, humanes Tonsillitissgewebe, 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, 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

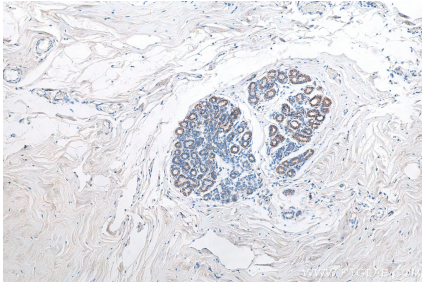
For technical support and original validation data for this product please contact:

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

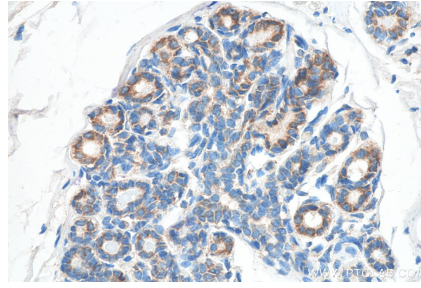
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Ausgewählte Validierungsdaten



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using Biotin-60042 (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 human breast cancer tissue slide using Biotin-60042 (CXCR4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).