

CXCR5 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50262

Clone# BP6239

Predicted Molecular Wt: 42kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P32302

Background:

Initially discovered in 1992 as Burkitt's lymphoma receptor 1, CXCR5 (also known as CD185) is a seven-transmembrane G protein-coupled receptor (GPCR) protein, which plays fundamental roles in inflammatory, infectious and immune responses.

CXCR5 is expressed in mature B-cells and Burkitt's lymphoma. CXCR5 is highly expressed in primary and secondary follicles within gastric lymphomas. Higher CXCR5 expression and migration by non-small cell lung cancer (NSCLC) cells suggest a role in migration and metastasis of primary lung tumors in response to CXCL13. It has been proposed that CXCR5/CXCL13, either alone or in combination, could be used as a prognostic biomarker for lung cancer. Other studies have shown that CXCR5 overexpression in breast cancer patients highly correlates with lymph node metastases, and elevated CXCR5 antibody expression may contribute to abnormal cell survival and migration in breast tumors that lack functional p53 protein. Another study has indicated that prostate cancer tissue as well as cell lines express higher non-basal levels of CXCR5 and found a correlation between the level of CXCR5 and Gleason score. CXCR5 location was additionally considered and higher Gleason scores correlated with nuclear CXCR5 while cytoplasmic and membrane CXCR5 correlated with benign and early prostate cancers.

Subcellular location:

Membrane/cytoplasm

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide. This information is proprietary to Biolynx.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

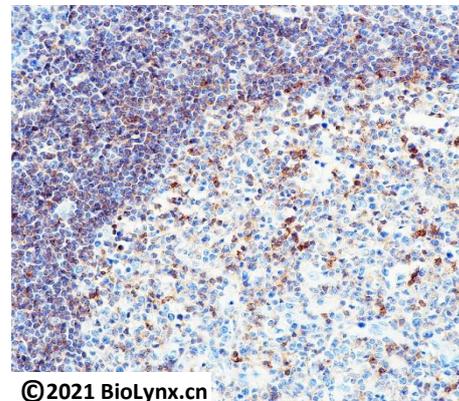
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

1. Lennikov A, et al. Lab Invest. 2021 Feb;101(2):228-244.
2. Tan P, et al. Precision Clinical Medicine, Volume 1, Issue 1, June 2018, Pages 49-56



©2021 Biolynx.cn

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of tonsil labelling CXCR5 with BP6239.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.