



Anti-Cxcr5 Monoclonal antibody, clone TQSDM6 [Biotin] (CABT-BL7446)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	TQSDM6
Purification	Affinity chromatography
Conjugate	Biotin
Applications	FC
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	PBS, pH 7.2, with 0.1% gelatin
Preservative	0.09% Sodium Azide
Storage	4°C, store in dark, DO NOT FREEZE!

BACKGROUND

Introduction	CXCR5 expression has been reported in human blood and salivary gland and in animal lymphatic organs, blood, bone marrow, brain, liver, lymph node, skin, spleen, stomach, and
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tonsil. ESTs have been isolated from human brain, germ cell, lung, lymph, and pancreas. G-protein Coupled Receptors (GPCRs) comprise one of the largest families of signaling molecules with more than a thousand members currently predicted to exist. All GPCRs share a structural motif consisting of seven membrane-spanning helices, and exist in both active and inactive forms. An array of activating ligands participate in the conformation of GPCRs which leads to signaling via G-proteins and downstream effectors. Ongoing studies have also shown the vast series of reactions which participate in the negative regulation of GPCRs. This "turn-off" activity has tremendous implications for the physiological action of the cell, and continues to drive pharmacological research for new drug candidates. Two blockbuster drugs which have been developed as GPCR-targeted pharmaceuticals are Zyprexa (Eli Lilly) and Claritin (Schering-Plough) which have multi-billion dollar shares of the mental health and allergy markets, respectively.

Keywords

CXCR5; chemokine (C-X-C motif) receptor 5; C-X-C chemokine receptor type 5; burkitt lymphoma receptor2homolog; chemokine (C-X-C motif) receptor 5; Blr1; Gpcr6; MDR15; CXC-R5; CXCR-5;

GENE INFORMATION

Entrez Gene ID

[12145](#)

UniProt ID

[Q04683](#)
