

For Research Use Only

CCR5 Polyclonal antibody

Catalog Number: 17476-1-AP **9 Publications**



Basic Information

Catalog Number: 17476-1-AP	GenBank Accession Number: BC038398	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 387 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1234	Recommended Dilutions: IHC 1:400-1:1600
Source: Rabbit	Full Name: chemokine (C-C motif) receptor 5	
Isotype: IgG	Calculated MW: 352 aa, 41 kDa	
Immunogen Catalog Number: AG11493		

Applications

Tested Applications: FC, IHC, ELISA	Positive Controls: IHC : human tonsillitis tissue,
Cited Applications: IF, IHC	
Species Specificity: human	
Cited Species: human, macaque	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

CCR5 (also known as CD195) is a member of the beta chemokine receptor family. This protein is expressed by T cells and macrophages and is known to be an important co-receptor for macrophage-tropic viruses, including HIV, to enter host cells. The natural chemokine ligands that bind to CCR5 include MIP-1-alpha, MIP-1-beta, MCP-2, and RANTES.

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Li	34040073	Sci Rep	
Elizabeth Delery	31119711	J Neurovirol	IHC
Haixu Xu	35589690	Cell Death Dis	

Storage

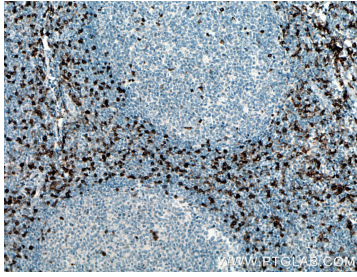
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

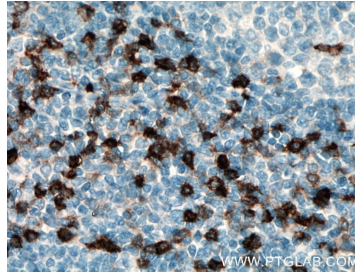
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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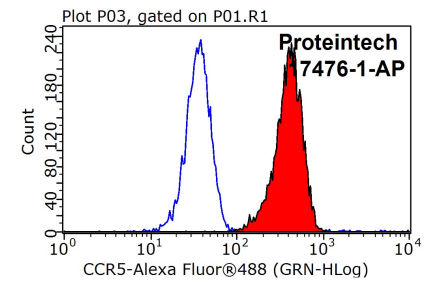
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17476-1-AP (CCR5 antibody) at dilution of 1:800 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17476-1-AP (CCR5 antibody) at dilution of 1:800 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ K-562 cells were stained with 0.2ug CCR5 antibody (17476-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.