

CXCR6 Polyclonal Antibody

Catalog NumberPA5-33462

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Mouse
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	19 µg/mL
Immunogen	Synthetic 16 amino acid peptide from C-terminus of human CXCR6.	Published Applications	
Conjugate	Unconjugated	Immunohistochemistry (IHC)	See 1 publications below
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.1% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Monkey (100%) Marmoset (94%) Mouse, Rat, Hamster, Panda (88%) Rabbit (81%).

Background/Target Information

CD186, also known as CXCR6, is a G protein-coupled chemokine receptor reported to be one of the cellular receptors of HIV and SIV. CD186 is expressed by NKT cells, various subtypes of T cells with activated and memory phenotypes, and some plasma cells. It has been reported that mouse liver NK cells, but not naïve or splenic NK cells, express CD186. The ligand of CD186, CXCL16, is expressed by macrophages, dendritic cells and liver endothelial cells. Being highly expressed on NKT cells, CD186 is often used as a proxy marker of this cell subset.

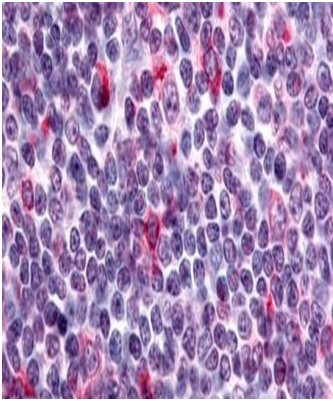
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Product Images For CXCR6 Polyclonal Antibody



CXCR6 Antibody (PA5-33462) in IHC (P)
Immunohistochemical analysis of formalin-fixed paraffin-embedded human tonsil, immunoblasts using a CXCR6 /CD186 polyclonal antibody (Product # PA5-33462). Heat-induced antigen retrieval was performed prior to staining.

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PubMed References For CXCR6 Polyclonal Antibody

1 Immunohistochemistry References

Species / Dilution	Summary
	PA5-33462 was used in Immunohistochemistry to show that this killing by auto-aggressive CD8 T cells fundamentally differed from that by antigen-specific cells, which mechanistically distinguishes auto-aggressive and protective T cell immunity.
Mouse / 1:200	<p>Nature (2021; 592: 444)</p> <p>"Auto-aggressive CXCR6⁺ CD8 T cells cause liver immune pathology in NASH."</p> <p>Author(s):Dudek M,Pfister D,Donakonda S,Filpe P,Schneider A,Laschinger M,Hartmann D,Hüser N,Meiser P,Bayerl F, Inverso D,Wigger J,Sebode M,Öllinger R,Rad R,Hegenbarth S,Anton M,Guillot A,Bowman A,Heide D,Müller F,Ramadori P,Leone V,Garcia-Caceres C,Gruber T,Seifert G,Kabat AM,Mallm JP,Reider S,Effenberger M,Roth S,Billeter AT,Müller-Stich B,Pearce EJ,Koch-Nolte F,Käser R,Tilg H,Thimme R,Boettler T,Tacke F,Dufour JF,Haller D,Murray PJ,Heeren R, Zehn D,Böttcher JP,Heikenwälder M,Knolle PA</p> <p>PubMed Article URL:http://dx.doi.org/10.1038/s41586-021-03233-8</p>

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