

# CD185 (CXCR5) Monoclonal Antibody (MU5UBEE), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Non-human primate, Rhesus monkey
Published Species	Human
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MU5UBEE
Conjugate	Biotin
Immunogen	N-terminal extracellular domain
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2572807

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	5µL (0.125 µg)/test	10 Publications

## Product Specific Information

Description: The MU5UBEE monoclonal antibody reacts with human and non-human primate CD185. CD185, which is also known as C-X-C chemokine receptor 5 (CXCR5) and Burkitt lymphoma receptor 1 (BLR1), is a seven transmembrane G protein-coupled receptor originally identified in Burkitt's lymphoma. In peripheral blood, CD185 is expressed on B cells, CD4+ T cells (but not Th1 or Th2 cells), as well as on a subpopulation of memory (CD45RO+) T cells. Circulating CD185+ T cells are in a resting state and migrate to the lymph nodes due to expression of CCR7 and CD62L. In tonsil, CD185 is expressed on nearly all CD4+ cells together with CD45RO and activation markers such as CD69 and ICOS. Tonsillar CD185+ cells have been shown to induce antibody production when co-cultured with B cells, thus supporting their role in providing help to B cells. Furthermore, this chemokine receptor plays a critical role in lymphocyte trafficking, in particular T cell migration into the B cell follicles of germinal centers in response to CXCL13, making CD185 an established marker of follicular helper T cells.

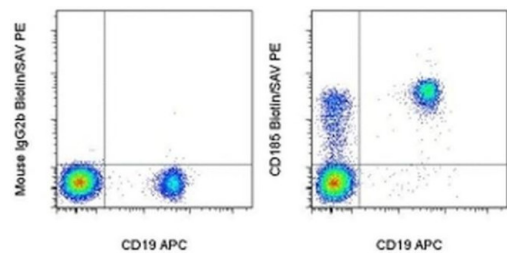
The MU5UBEE monoclonal antibody also crossreacts with Rhesus macaque.

Applications Reported: This MU5UBEE antibody has been reported for use in flow cytometric analysis.

Applications Tested: This MU5UBEE antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD185 (CXCR5) Monoclonal Antibody (MU5UBEE), Biotin, eBioscience™



**CD185 (CXCR5) Antibody (13-9185-82) in Flow**  
Staining of normal human peripheral blood cells with Anti-Human CD19 APC (Product # 17-0199-42) and Mouse IgG2b K Isotype Control Biotin (Product # 13-4732-85) (left) or Anti-Human CD185 (CXCR5) Biotin (right) followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphocyte gate were used for analysis.

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11 References

Immunohistochemistry (1)

iScience	Year 2021
<b>NK-B cell cross talk induces CXCR5 expression on natural killer cells.</b>	
"Published figure using CD185 (CXCR5) monoclonal antibody (Product # 13-9185-82) in Flow Cytometry"	
Authors: Rascle P, Jacquelin B, Petitdemange C, Contreras V, Planchais C, Lazzarini M, Dereuddre-Bosquet N, Le Grand R, Mouquet H, Huot N, Müller-Trutwin M	

Flow Cytometry (10)

Frontiers in immunology	Year 2021
<b>In Situ Characterization of Human Lymphoid Tissue Immune Cells by Multispectral Confocal Imaging and Quantitative Image Analysis; Implications for HIV Reservoir Characterization.</b>	
"Published figure using CD185 (CXCR5) monoclonal antibody (Product # 13-9185-82) in Flow Cytometry"	
Authors: Moysi E, Del Rio Estrada PM, Torres-Ruiz F, Reyes-Terán G, Koup RA, Petrovas C	

iScience	Year 2021
<b>NK-B cell cross talk induces CXCR5 expression on natural killer cells.</b>	
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