

CD19
Rabbit Monoclonal antibody(Mab)
Catalog # AD80005**Specification**

CD19 - Product info

Application	IHC-P
Primary Accession	P15391
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	61128

CD19 - Additional info

Gene ID	930
Gene Name	CD19

Other Names

B-lymphocyte antigen CD19, B-lymphocyte surface antigen B4, Differentiation antigen CD19, T-cell surface antigen Leu-12, CD19, CD19

Dilution

IHC-P~~Ready-to-use

Storage

Maintain refrigerated at 2-8°C

Precautions

CD19 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD19 - Protein Information**Name** CD19**Function**

Functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. Decreases the threshold for activation of downstream signaling pathways and for triggering B- cell responses to antigens (PubMed:[2463100](#), PubMed:[1373518](#), PubMed:[16672701](#)). Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores (PubMed:[9382888](#), PubMed:[9317126](#), PubMed:[12387743](#), PubMed:[16672701](#)). Is not required for early steps during B cell

Cellular Location

Tissue Location

differentiation in the blood marrow (PubMed:[9317126](#)). Required for normal differentiation of B-1 cells (By similarity). Required for normal B cell differentiation and proliferation in response to antigen challenges (PubMed:[2463100](#), PubMed:[1373518](#)). Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge (PubMed:[9317126](#), PubMed:[12387743](#), PubMed:[16672701](#)).

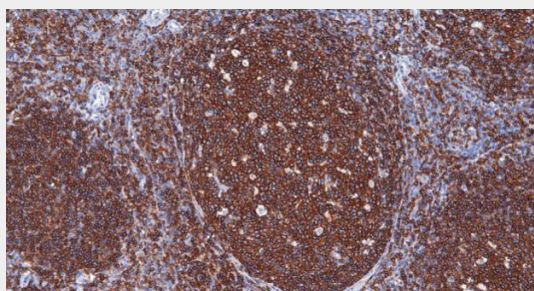
Cell membrane; Single- pass type I membrane protein. Membrane raft {ECO:0000250|UniProtKB:P25918}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P25918} Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:2463100). Detected on blood B cells (at protein level) (PubMed:2463100, PubMed:16672701)

CD19 - Protocols

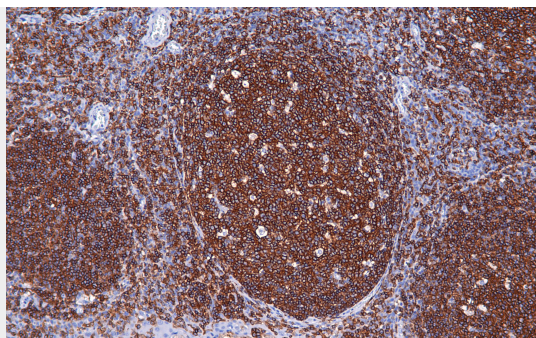
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD19 - Images



Tonsil



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AD80005 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.