

Background

Recombinant Monoclonal Anti-CD19 Antibody, Rabbit (4A6) is a CD19 primary antibody for IHC application. 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. Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores. Is not required for early steps during B cell differentiation in the blood marrow. Required for normal differentiation of B-1 cells (By similarity). Required for normal B cell differentiation and proliferation in response to antigen challenges. Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge.

Key parameter

Host Species	Rabbit
Isotype	IgG
Clone	4A6
Application	IHC
Property	1: 1000
State	Liquid
Positive Control	Human Tonsil Tissues
Clonality	Monoclonal
Research Field	Cancer Drug Targets
Source	Rabbit
Synonym	CD19

Experiment Protocol

LEICA Experiment Protocol(Manual)

Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. The shelf life is 30 days from the date of opening.

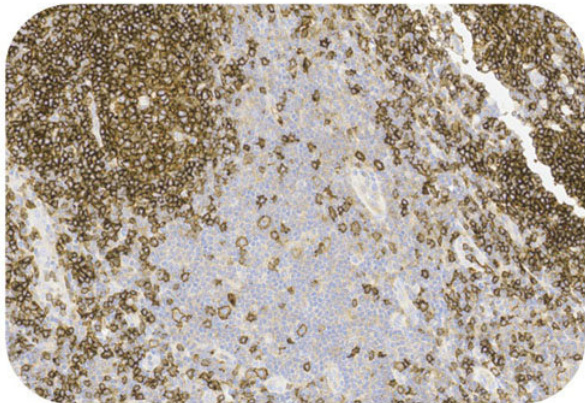
Typical Data

Control Sample

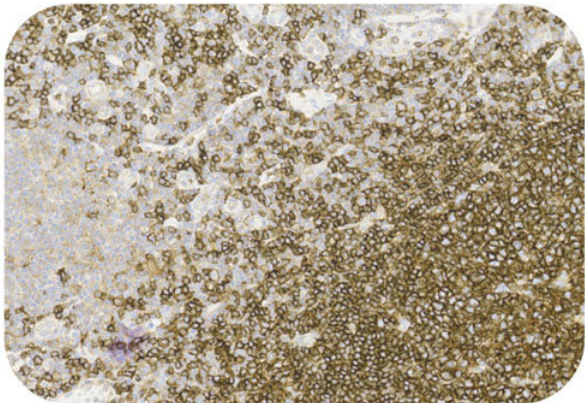


Recombinant Monoclonal Anti-CD19 Antibody, Rabbit (4A6)

Catalog # HGS-S259



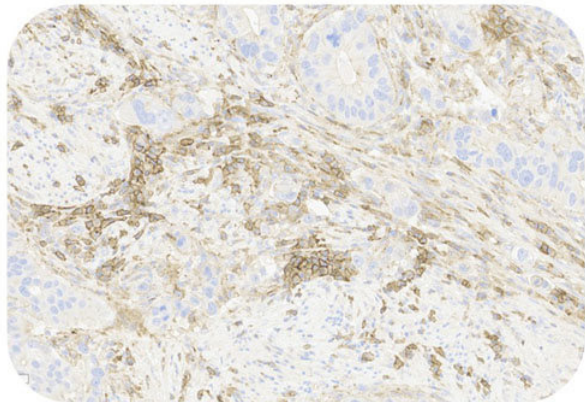
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Recombinant Monoclonal Anti-CD19 Antibody, Rabbit (4A6)(HGS-S259)
Human Tonsil Tissue, 20X



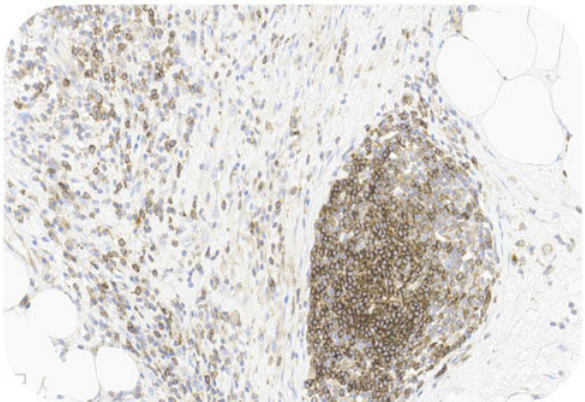
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Recombinant Monoclonal Anti-CD19 Antibody, Rabbit (4A6)(HGS-S259)
Human Tonsil Tissue, 20X

Immunohistochemical analysis of paraffin embedded Human tonsil tissue labelled with HGS-S259 at 1/1000 dilution.
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

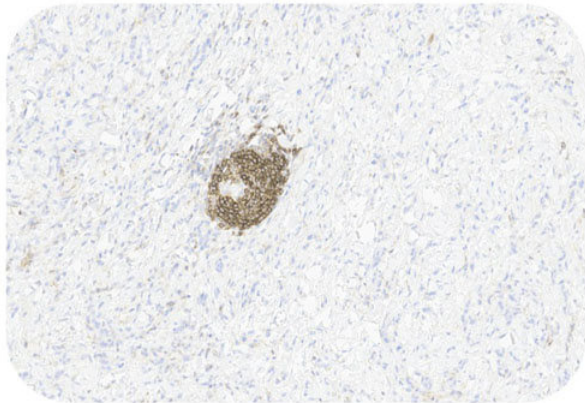
Cancer Sample



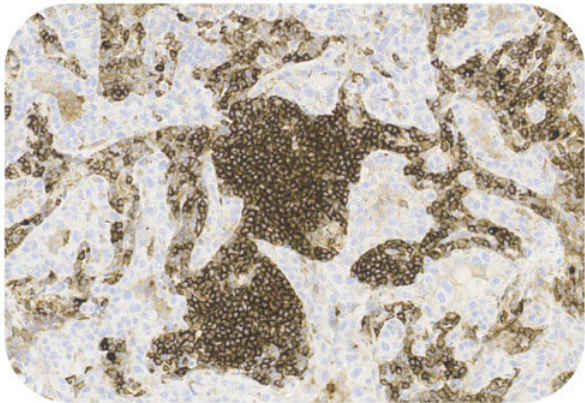
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Recombinant Monoclonal Anti-CD19 Antibody, Rabbit (4A6)(HGS-S259)
Human Colorectal Cancer Tissue, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Recombinant Monoclonal Anti-CD19 Antibody, Rabbit (4A6)(HGS-S259)
Human Gastric Cancer Tissue, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Recombinant Monoclonal Anti-CD19 Antibody, Rabbit (4A6)(HGS-S259)
Human Gastric Cancer Tissue, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Recombinant Monoclonal Anti-CD19 Antibody, Rabbit (4A6)(HGS-S259)
Human Lung Tissue, 20X

Immunohistochemical analysis of paraffin embedded human cancer tissue labelled with HGS-S259 at 1/1000 dilution.
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

