



Rabbit Anti-Human CD19 Monoclonal Antibody (Clone SP110)

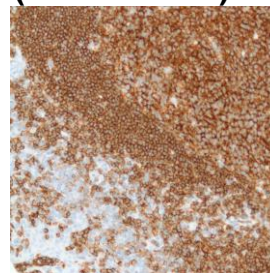
CATALOG #:

M4100 0.1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

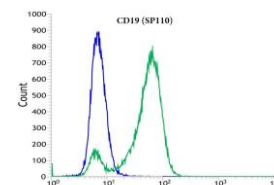
M4102 0.5 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M4104 1.0 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M4101 7.0 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.



Human tonsil stained with anti-CD19 antibody



Flow cytometric analysis of rabbit anti-CD19 (SP110) antibody in RAMOS (green) compare to negative control of rabbit IgG (blue)

INTENDED USE:

For Research Use Only. Not for use in diagnostic procedures.

CLONE:

SP110

IMMUNOGEN:

Synthetic peptide corresponding to C-terminus of human CD19.

IG ISOTYPE:

Rabbit IgG

EPITOPE:

Not determined

MOLECULAR WEIGHT:

95kDa

SPECIES REACTIVITY:

Human (tested). (See www.springbio.com for information on species reactivity predicted by sequence homology.)

DESCRIPTION:

CD19 is expressed in B lymphocytes and B-cell lymphoma. It may also be present on some early myeloid progenitors, particularly those of the monocytic type. It appears to be expressed on myeloid leukemia cells, particularly those of monocytic lineage. Leukemia phenotype studies have demonstrated that the earliest and broadest B cell restricted antigen is the CD19 antigen. CD19 is negative in T lymphocytes, plasma cells, and their tumors.

APPLICATIONS:

Immunohistochemistry (IHC) and Flow Cytometry

IHC PROCEDURE:

Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.

Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.

Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:200. The dilutions are estimates; actual results may differ because of variability in methods and protocols.

Antigen Retrieval: Boil tissue section in EDTA buffer, pH 8.0 for 10 min followed by cooling at room temperature for 20 min.

Primary Antibody Incubation: Incubate for 30 minutes at room temperature.

Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.

Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.

IHC POSITIVE CONTROL:

Tonsil

FLOW CYTOMETRY:

Recommended starting protocol: Dilute the antibody 1:100. Incubate for 30 minutes at 4°C. The dilution is an estimate; actual results may differ because of variability in methods and protocols. Optimal dilution and procedure should be determined by the end user.

FLOW CYTOMETRY

POSITIVE CONTROL:

Ramos Cell Line

CELLULAR LOCALIZATION:

Membrane

STORAGE & STABILITY:

Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical Support at spring.tech@ventana.roche.com.

**WARNINGS &
PRECAUTIONS:**

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.