# Rabbit Anti-Human CD10 Monoclonal Antibody (Clone SP179)

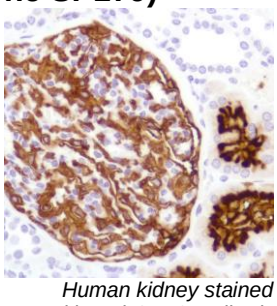
**CATALOG #:**

**M4790** 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.

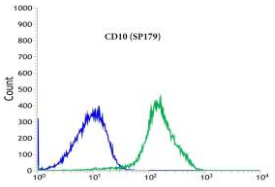
**M4792** 0.5 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

**M4794** 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.

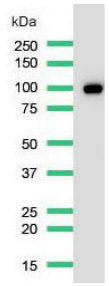
**M4791** 7.0 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.



*Human kidney stained with anti-CD10 antibody*




*Flow cytometric analysis of rabbit anti-CD10 (SP179) antibody in RAMOS (green) compare to negative control of rabbit IgG (blue)*




*Western Blot analysis of LNCaP cell lysate with anti-CD10 antibody*

**INTENDED USE:** For Research Use Only. Not for use in diagnostic procedures.

**CLONE:** SP179

**IMMUNOGEN:** Synthetic peptide derived from the N-terminus of human CD10 protein.

**IG ISOTYPE:** Rabbit IgG

**EPITOPE:** Not determined

**MOLECULAR WEIGHT:** 100 kDa

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

**DESCRIPTION:** CD10, also known as the Common Acute Lymphocytic Leukemia Antigen (CALLA), is a cell surface enzyme with neutral metalloendopeptidase activity. CD10 is a marker for germinal center B cells and is expressed in some B cell leukemia/lymphomas such as chronic myelocytic leukemia (CML), lymphoblastic, and Burkitt's lymphomas as well as some carcinomas such as hepatocellular carcinoma and renal cell carcinoma.

**APPLICATIONS:** Immunohistochemistry (IHC), Western Blotting 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 1:100. 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 10 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.

**IHCPOSITIVE CONTROL:** Kidney, Tonsil

**WESTERN BLOTTING:** Recommended starting protocol: Dilute the antibody 1:400. Incubate for 1 hour at room temperature.
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.

**WESTERN BLOTTING POSITIVE CONTROL:** LNCaP Cell Lysate

4300 Hacienda Drive
Pleasanton, CA 94588
www.springbio.com

Tel: 1-925-474-8440
Toll Free: 1-800-787-6896
Fax: 1-925-474-8469

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|---|---|
| **FLOW CYTOMETRY:** | Recommended starting protocol: Dilute the antibody 1:400. Incubate for 30 minutes at 4°C.<br>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.<br>There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.<br>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.<br>2. This product is harmful if swallowed.<br>3. Consult local or state authorities with regard to recommended method of disposal.<br>4. Avoid microbial contamination of reagents. |

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