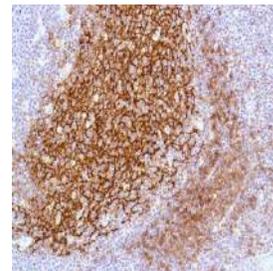
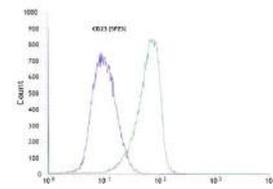


## Rabbit Anti-Human CD23 Monoclonal Antibody (Clone SP23)

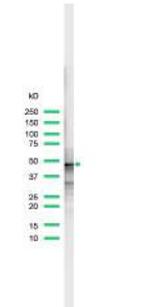
- CATALOG #:**
- M3230** 0.1 ml rabbit monoclonal antibody supplied as tissue culture supernatant in TBS/1% BSA buffer pH 7.5 with less than 0.1% sodium azide.
  - M3232** 0.5 ml rabbit monoclonal antibody supplied as tissue culture supernatant in TBS/1% BSA buffer pH 7.5 with less than 0.1% sodium azide.
  - M3234** 1.0 ml rabbit monoclonal antibody supplied as tissue culture supernatant in TBS/1% BSA buffer pH 7.5 with less than 0.1% sodium azide.
  - M3231** 7.0 ml pre-diluted rabbit monoclonal antibody supplied as tissue culture supernatant in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide. (For IHC only)



Human tonsil stained with anti-CD23 antibody



Flow cytometric analysis of rabbit anti-CD23 (SP23) antibody in Jurkat (green) compare to negative control of rabbit IgG (blue)



Western Blot analysis of Raji cell lysate with CD23 antibody

- INTENDED USE:** For Research Use Only. Not for use in diagnostic procedures.
- CLONE:** SP23
- IMMUNOGEN:** Recombinant protein encoding human CD23 48-248aa.
- IG ISOTYPE:** Rabbit IgG
- EPITOPE:** Not determined
- MOLECULAR WEIGHT:** 45kDa
- SPECIES REACTIVITY:** Human (tested).

**DESCRIPTION:** CD23 is a 45kDa glycoprotein, which is present on a subpopulation of freshly isolated peripheral blood and tonsil B cells and strongly expressed on EBV-transformed B lymphoblasts. The CD23 molecule is identical to the low affinity IgE receptor found on B cells. Expression of CD23 has been detected in neoplastic cells from cases of B cell chronic lymphocytic leukemia and some cases of centroblastic/centrocytic lymphoma.

**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 10mM citrate buffer, pH 6.0 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

**WESTERN BLOTTING:** Recommended starting protocol: Dilute the antibody 1:100. 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:** Raji cell lysate

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**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:**

Jurkat 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.

**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.

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