

## 36-1068: Monoclonal Antibody to CD35 / CR1 (Follicular Dendritic Cell Marker)(Clone : SPM554)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM554
<b>Application :</b>	FACS,IF,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	CR1
<b>Gene ID :</b>	1378
<b>Uniprot ID :</b>	P17927
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CR1,C3BR
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Intact human monocytes

### Description

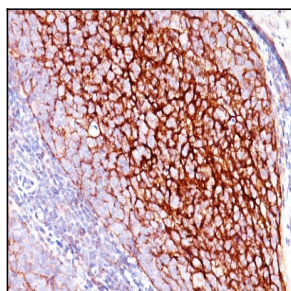
Recognizes a protein of 210-220kDa, which is identified as the complement receptor 1 (CR1)/CD35. This MAb is specific for a site in CR1 that is distal from the C3b-binding site, so that it is unable to block CR1 activity. This MAb is highly specific to CR1 and shows no cross-reaction with CR2. The primary function of CR1 is to serve as the cellular receptor for C3b and C4b, the most important components of the complement system leading to clearance of foreign macromolecules. The Knops blood group system is a system of antigens located on this protein. Follicular dendritic cells (FDC) are restricted to the B-cell regions of secondary lymphoid follicles. They are CD21+/CD35+/CD1a-. This MAb labels follicular dendritic cells and follicular dendritic cell sarcoma.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Tonsil stained with CD35 Monoclonal Antibody (SPM554).