SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-CD35 antibody

Catalog Number: SLM-60247R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Target:	CD35
Immunogen:	KLH conjugated synthetic peptide derived from human CD35
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	274kDa
Subcellular Location:	The cell membrane
Background:	This gene is a member of the receptors of complement activation (RCA) family and is located in the 'cluster RCA' region of chromosome 1. The genome is polymorphic at this locus with allele-specific splice variants encoding different isoforms, based on the presence/absence of long homologous repeats (LHRs). The gene encodes a monomeric single-pass type I membrane glycoprotein found on erythrocytes, leukocytes, glomerular podocytes, and splenic follicular dendritic cells. The Knops blood group system is a system of antigens located on this protein. The protein mediates cellular binding to particles and immune complexes that have activated complement. Decreases in expression of this protein and/or mutations in this gene have been associated with gallbladder carcinomas, mesangiocapillary glomerulonephritis, systemic lupus erythematosus, sarcoidosis and Alzheimer's disease.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Mutations in this gene have also been associated with a reduction in Plasmodium falciparum rosetting, conferring protection against severe malaria. [provided by RefSeq, May 2020] **Function:** Mediates cellular binding of particles and immune complexes that have activated complement. **Subunit:** Monomer. **Subcellular Location:** Membrane; Single-pass type I membrane protein. **Tissue Specificity:** Present on erythrocytes, leukocytes, glomerular podocytes, and splenic follicular dendritic cells. **Similarity:** Belongs to the receptors of complement activation (RCA) family. Contains 30 Sushi (CCP/SCR) domains. **Database links:** **Entrez Gene:** 1378 Human Omim: 120620 Human **SwissProt:** P17927 Human **Unigene:** 334019 Human CD35 is widely distributed on the surface of erythrocytes, granulocytes, monocytes, mast cells, follicular dendritic cells, glomerular podocytes, B cells, and some CD4+ T cells. The CD35 antigen, also known as CR1 or C3b/C4b R, is a C3b/C4b complement-binding transmembrane protein with a molecular weight of 160-250 kDa, and is mainly used for follicular dendritic cell labeling and the diagnosis of follicular dendritic cell tumors.

[VALIDATION IMAGES]

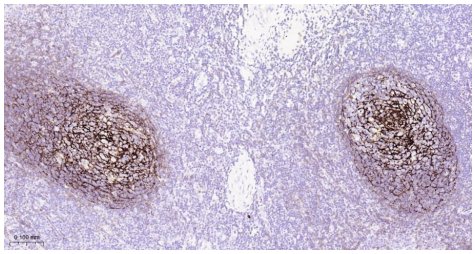


Figure 1. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD35 Monoclonal Antibody, Unconjugated(SLM-60247R) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

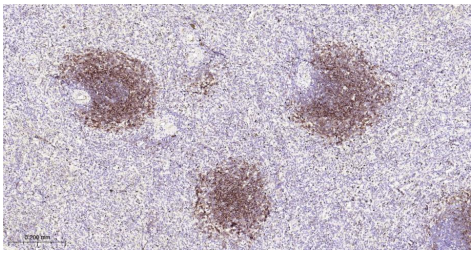


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD35 Monoclonal Antibody, Unconjugated(SLM-60247R) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

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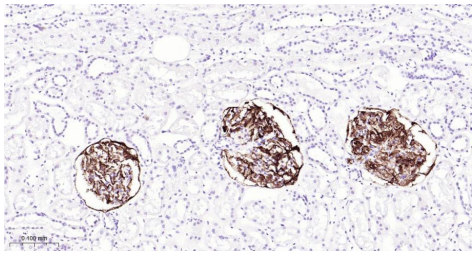


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD35 Monoclonal Antibody, Unconjugated(SLM-60247R) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

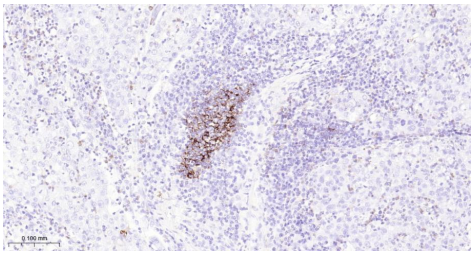


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD35 Monoclonal Antibody, Unconjugated(SLM-60247R) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

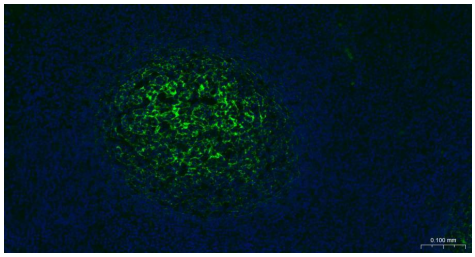


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD35 Monoclonal Antibody, Unconjugated (SLM-60247R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, SL0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei

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