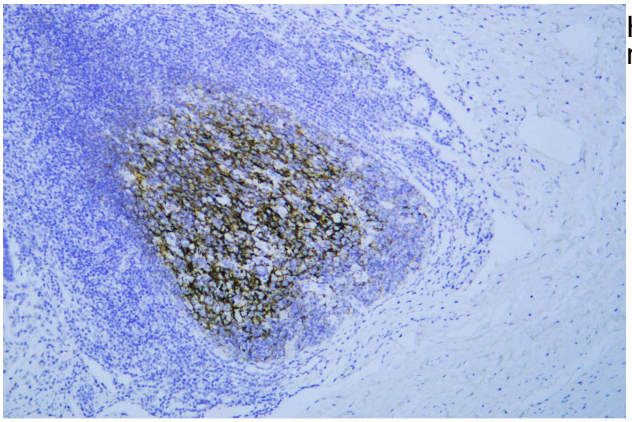
CD35 (ABT129R) Rabbit mAb (Ready to Use)

Catalog No	YP-rAb-18187
Isotype	IgG
Reactivity	Human
Applications	IHC
Gene Name	CR1 C3BR
Protein Name	Complement receptor type 1 (C3b/C4b receptor) (CD antigen CD35)
Purification Process	Protein A
Specificity	This antibody detects endogenous levels of CD35
Formulation	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
Source	Monoclonal, Rabbit,IgG
Dilution	Ready to use for IHC Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	2° C to 8° C/1 year,Ship by ice bag
Synonyms	C3 binding protein ; C3b/C4b receptor ; C3BR ; C4BR ; CD 35 ; CD35 ; CD35 antigen ; complement component ; 3b/4b ; receptor 1 ; Knops blood group ; complement component ; 3b/4b ; receptor 1 including Knops blood group system ; Complement component receptor 1 ; Complement receptor 1 ; Complement receptor type 1 ; CR 1 ; CR1 ; CR1_HUMAN ; KN ; Knops blood group antigen
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Membranous
Tissue Specificity	Present on erythrocytes, a subset of T cells, mature B cells, follicular dendritic cells, monocytes and granulocytes.
Function	Mediates cellular binding of particles and immune complexes that have activated complement.,miscellaneous:This is the sequence of the F allotype of CR1.,online information:Blood group antigen gene mutation database,polymorphism:CR1 contains a system of antigens called the Knops blood group system. Polymorphisms within this system are involved in malarial rosetting, a process associated with cerebral malaria, the major cause of mortality in Plasmodium falciparum malaria. Common Knops system antigens include McCoy (McC) and

	Sl(a)/Vil (Kn4, or Swain-Langley; Vil or Villien). Sl(a-) phenotype is more common in persons of African descent and may protect against fatal malaria.,similarity:Belongs to the receptors of complement activation (RCA) family.,similarity:Contains 30 Sushi (CCP/SCR) domains.,subunit:Monomer.,tissue specificity:Present on erythrocytes, leukocytes, glomerular podocytes, and splenic follicular dendritic cells.,
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 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 its gene have been associated with gallbladder carcinomas, mesangiocapillary glomerulonephritis, systemic lupus erythematosus and sarcoidosis. Mutations in this gene have also been associated with a reduction in Plasmodium falciparum rosetting, conferring protection against severe malaria. Alternate allele-specific splice variants
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Human appendix was stained with anti-CD35 (ABT129R) rabbit mAb