



CD35 Monoclonal Antibody

Catalog No	YP-mAb-10585
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human CR1/CR1L. AA range:300-350 & 740-790
Specificity	CD35 Monoclonal Antibody detects endogenous levels of CD35
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KN;CR1;Complement receptor type 1;C3BR;C3b/C4b receptor;CD35; complement component (3b/4b) receptor 1/2 (Knops blood group)
Observed Band	220kD
Calculated Molecular Weight	220kD
Cell Pathway	Membrane ; Single-pass type I membrane protein.
Tissue Specificity	Present on erythrocytes, a subset of T cells, mature B cells, follicular dendritic cells, monocytes and granulocytes.
Function	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 SI(a)/Vil (Kn4, or Swain-Langley; Vil or Villien). SI(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 podo

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

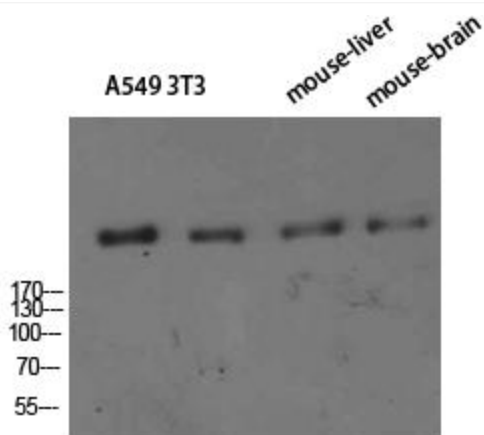
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CD35 Monoclonal Antibody