

Datasheet for ABIN7147167  
**anti-CD59 antibody (AA 26-102)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	CD59
Binding Specificity:	AA 26-102
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD59 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human CD59 glycoprotein protein (26-102AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

## Target Details

Target:	CD59
Alternative Name:	CD59 ( <a href="#">CD59 Products</a> )
Background:	Background: Potent inhibitor of the complement membrane attack complex (MAC) action. Acts by binding to the C8 and/or C9 complements of the assembling MAC, thereby preventing

## Target Details

incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. Involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.

Aliases: 16.3A5 antibody, 1F5 antibody, 1F5 antigen antibody, 20 kDa homologous restriction factor antibody, CD 59 antibody, CD\_antigen=CD59 antibody, CD59 antibody, CD59 antigen antibody, CD59 antigen complement regulatory protein antibody, CD59 antigen p18 20 antibody, CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344) antibody, CD59 glycoprotein antibody, CD59 Molecule antibody, CD59 Molecule complement regulatory protein antibody, CD59\_HUMAN antibody, Cd59a antibody, Complement regulatory protein antibody, EJ16 antibody, EJ30 antibody, EL32 antibody, FLJ38134 antibody, FLJ92039 antibody, G344 antibody, HRF 20 antibody, HRF-20 antibody, HRF20 antibody, Human leukocyte antigen MIC11 antibody, Ly 6 like protein antibody, Lymphocytic antigen CD59/MEM43 antibody, MAC inhibitory protein antibody, MAC IP antibody, MAC-inhibitory protein antibody, MAC-IP antibody, MACIF antibody, MACIP antibody, MEM43 antibody, MEM43 antigen antibody, Membrane attack complex (MAC) inhibition factor antibody, Membrane attack complex inhibition factor antibody, Membrane inhibitor of reactive lysis antibody, MGC2354 antibody, MIC11 antibody, MIN1 antibody, MIN2 antibody, MIN3 antibody, MIRL antibody, MSK21 antibody, p18 20 antibody, Protectin antibody, Surface antigen recognized by monoclonal antibody 16.3A5 antibody, T cell activating protein antibody

UniProt: [P13987](#)

Pathways: [Complement System](#)

## Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.1Mol/L NaCl, 15mmol/L Sodium azide, PH7.2

Preservative: Sodium azide

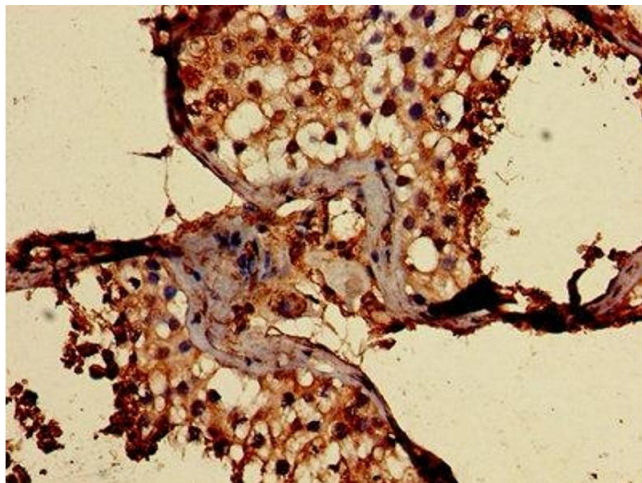
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C, -80 °C

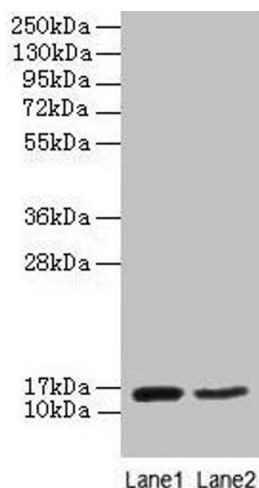
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



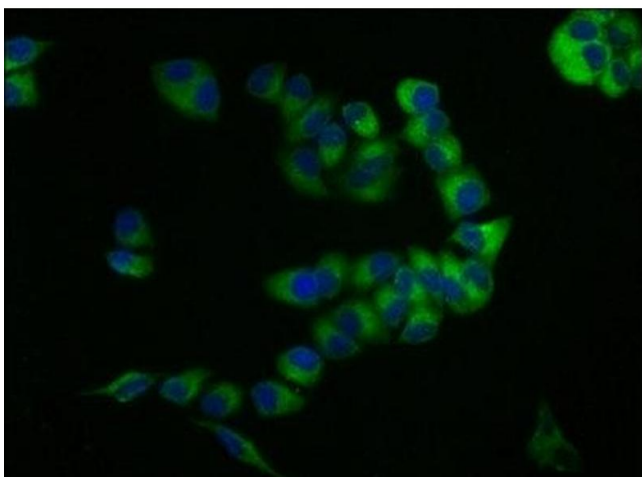
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7147167 at dilution of 1:100



### Western Blotting

**Image 2.** Western blot All lanes: CD59 antibody at 2 µg/mL  
Lane 1: Mouse heart tissue Lane 2: NIH/3T3 whole cell lysate  
Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution  
Predicted band size: 15 kDa Observed band size: 15 kDa



### Immunofluorescence

**Image 3.** Immunofluorescence staining of PC-3 cells with ABIN7147167 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).