

## CD59 polyclonal antibody

Catalog: BS90252

Host: Rabbit

Reactivity: Human

### Background:

CD59 is a GPI-anchored glycoprotein that is expressed on leukocytes, vascular endothelial cells, various epithelial cells and placenta. CD59 acts together with CD58 in mediating T cell adhesion and activation, and it may be a second ligand of CD2. CD59 functions as a regulator of the terminal pathway of complement by binding to the C8/C9 components of the assembling membrane attack complex (MAC) on host cell membranes, to stop the formation of the lytic pore. CD59 also drives both calcium release and activation of lipid-raft associated signalling molecules such as tyrosine kinases. CD59 gene has two p53-responsive domains that may be implicated in the defense of host cells from damage by the complement system in inflammation, suggesting that p53 could be used to mediate susceptibility of tumor cells to the complement lysis during chemotherapy.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

14/20 kDa

### Swiss-Prot:

P13987(Human)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:5,000

ICC:1:100-1:500

FC:1:50-1:100

IP:1:10-1:50

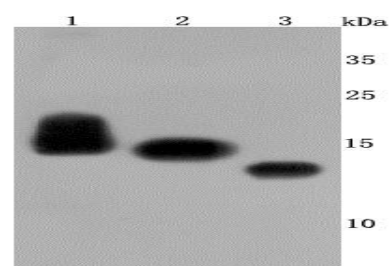
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

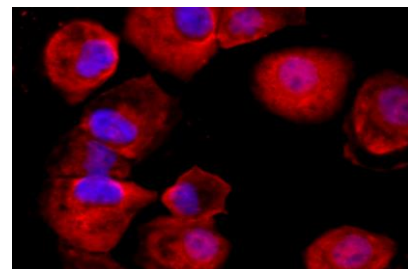
### Specificity:

CD59 polyclonal antibody detects endogenous levels of CD59 protein.

### DATA:



Western blot analysis of CD59 on different cells lysates using anti-CD59 antibody at 1/500 dilution. Positive control: Lane 1: Human placenta  
Lane 2: HUVEC Lane 3: K562



ICC staining CD59 in HUVEC cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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