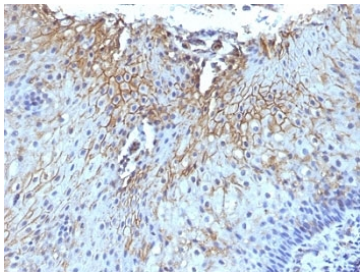
CD59 Antibody [clone SPM616] (V3023)

Catalog No.	Formulation	Size
V3023-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3023-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3023SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM616
Purity	Protein G affinity chromatography
UniProt	P13987
Localization	Plasma membrane, cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This CD59 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human tongue stained with CD59 antibody (SPM616)

Description

CD59 is a glycosyl phosphatidyl-inositol (GPI)-anchored cell surface protein. CD59 attaches to host cells via a glycophosphatidylinositol (GPI) anchor. When complement activation leads to deposition of C5b678 on host cells, it can

prevent C9 from polymerizing and forming the complement membrane attack complex. Mutations affecting GPI that reduce expression of CD59 and decay-accelerating factor on red blood cells result in paroxysmal nocturnal hemoglobinuria. Viruses such as HIV, human cytomegalovirus and vaccinia incorporate host cell CD59 into their own viral envelope to prevent lysis by complement. [Wiki]

Application Notes

Optimal dilution of the CD59 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

Immunogen

Recombinant full-length human protein was used as the immunogen for the CD59 antibody.

Storage

Store the CD59 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).