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anti-CD59 antibody (AA 31-111)

Images

Publications



Overview

Quantity:	0.1 mg
Target:	CD59
Binding Specificity:	AA 31-111
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD59 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human CD59 (AA: 31-111) expressed in E. coli.
Clone:	8D2B8
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CD59
Alternative Name:	CD59 (CD59 Products)
Background:	Description: This gene encodes a cell surface glycoprotein that regulates complement-

mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. , ,

Aliases: 1F5, EJ16, EJ30, EL32, G344, MIN1, MIN2, MIN3, MIRL, HRF20, MACIF, MEM43, MIC11, MSK21, 16.3A5, HRF-20, MAC-IP, p18-20

Molecular Weight:	14.2 kDa
Gene ID:	966
HGNC:	966

Complement System

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:50 -1:200, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Pathways:

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Publications

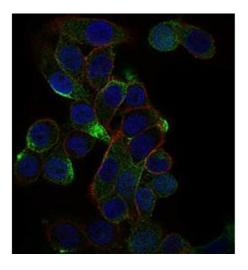
Product cited in:

Alegretti, Mucenic, Merzoni, Faulhaber, Silla, Xavier: "Expression of CD55 and CD59 on peripheral blood cells from systemic lupus erythematosus (SLE) patients." in: **Cellular**

immunology, Vol. 265, Issue 2, pp. 127-32, (2010) (PubMed).

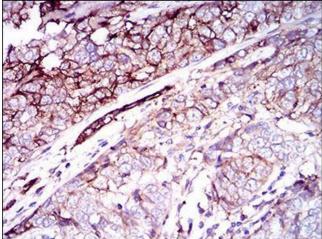
Ma, Chang, Qin, Sun, Huang, He: "Decreased expression of complement regulatory proteins, CD55 and CD59, on peripheral blood leucocytes in patients with type 2 diabetes and macrovascular diseases." in: **Chinese medical journal**, Vol. 122, Issue 18, pp. 2123-8, (2009) (PubMed).

Images



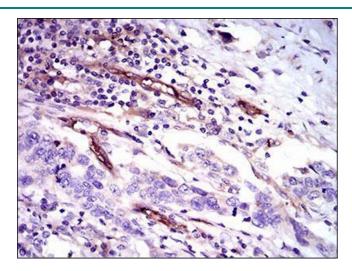
Immunofluorescence

Image 1. Immunofluorescence analysis of MCF-7 cells using CD59 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffinembedded bladder cancer tissues using CD59 mouse mAb with DAB staining.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffinembedded esophageal cancer tissues using CD59 mouse mAb with DAB staining.

Please check the product details page for more images. Overall 8 images are available for ABIN1098134.