Datasheet for ABIN1098134

anti-CD59 antibody (AA 31-111)

8 Images | 2 Publications

Go to Product page

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-

Target Details

	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
Pathways:	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

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

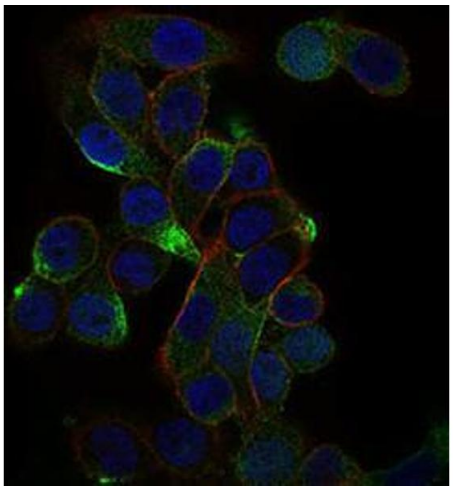
Product cited in:	Alegretti, Mucenic, Merzoni, Faulhaber, Silla, Xavier: "Expression of CD55 and CD59 on peripheral blood cells from systemic lupus erythematosus (SLE) patients." in: **Cellular**

Publications

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

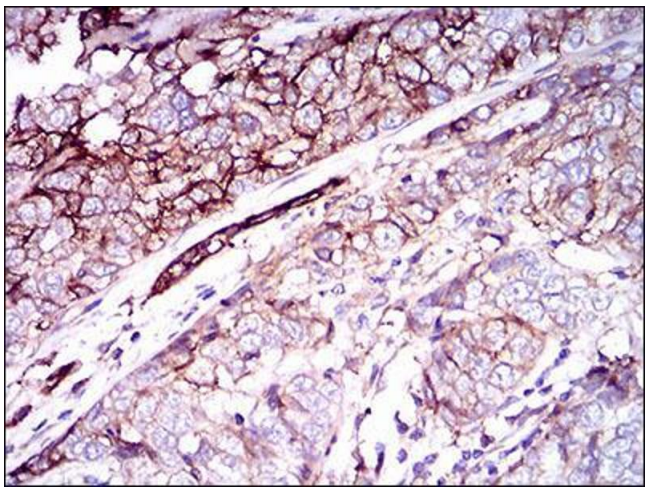
Ma, Chang, Qin, Sun, Huang, He: "Decreased expression of complement regulatory proteins, CD55 and CD59, on peripheral blood leucocytes in patients with type 2 diabetes and macrovascular diseases." in: **Chinese medical journal**, Vol. 122, Issue 18, pp. 2123-8, (2009) (PubMed).

Images



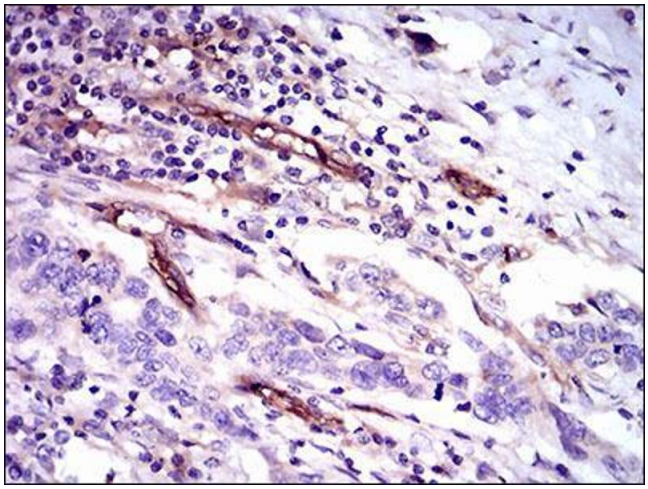
Immunofluorescence

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 paraffin-embedded bladder cancer tissues using CD59 mouse mAb with DAB staining.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded 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.