

Datasheet for ABIN7193449
anti-DFFB antibody (AA 1-289)[Go to Product page](#)

4 Images

Overview

Quantity:	0.1 mg
Target:	DFFB
Binding Specificity:	AA 1-289
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DFFB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human DFFB (AA: 1-289) expressed in E. coli.
Clone:	2E6G3
Isotype:	IgG1
Purification:	purified

Target Details

Target:	DFFB
Alternative Name:	DFFB (DFFB Products)
Background:	Description: Apoptosis is a cell death process that removes toxic and/or useless cells during mammalian development. The apoptotic process is accompanied by shrinkage and

Target Details

fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF) is a heterodimeric protein of 40-kD (DFFB) and 45-kD (DFFA) subunits. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF becomes activated when DFFA is cleaved by caspase-3. The cleaved fragments of DFFA dissociate from DFFB, the active component of DFF. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene but the biological validity of some of these variants has not been determined.

Aliases: CAD, CPAN, DFF2, DFF40, DFF-40

Molecular Weight:	39.1 kDa
-------------------	----------

Gene ID:	1677
----------	------

Pathways:	Apoptosis , Caspase Cascade in Apoptosis
-----------	--

Application Details

Application Notes:	WB:1:500 - 1:2000, FCM:1:200 - 1:400, ELISA:1:10000,
--------------------	--

Restrictions:	For Research Use only
---------------	-----------------------

Handling

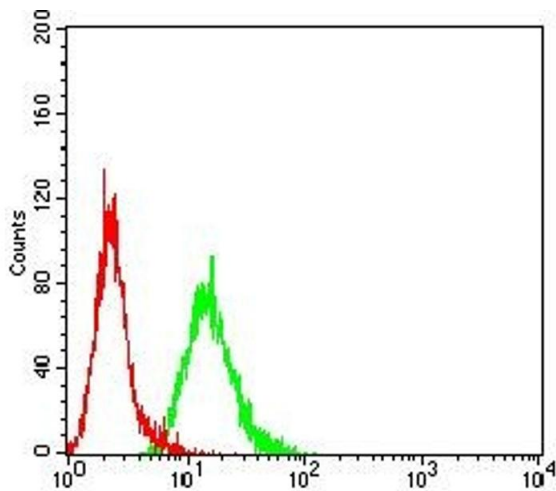
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
---------	---

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
----------	-------------

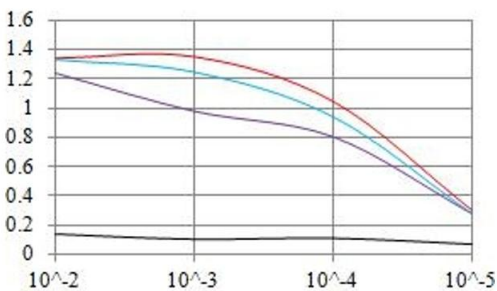
Storage Comment:	4°C, -20°C for long term storage
------------------	----------------------------------



Flow Cytometry

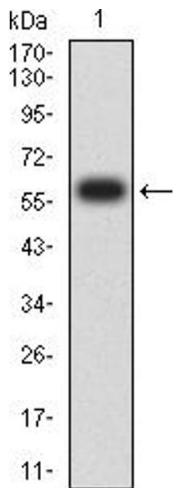
Image 1. Flow cytometric analysis of Hela cells using DFFB mouse mAb (green) and negative control (red).

O.D. ELISA Result



Serial Dilutions of Antibody

— Control Antigen = 100ng — Antigen = 10ng
— Antigen = 50ng — Antigen = 100ng



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Western Blotting

Image 3. Western blot analysis using DFFB mAb against human DFFB (AA: 1-289) recombinant protein. (Expected MW is 59.4 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7193449.