



[Go to Product page](#)

Datasheet for ABIN7193432
anti-DFFA antibody (AA 179-331)

4 Images

Overview

Quantity:	0.1 mg
Target:	DFFA
Binding Specificity:	AA 179-331
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human DFFA (AA: 179-331) expressed in E. coli.
Clone:	2B10C8
Isotype:	IgG1
Purification:	purified

Target Details

Target:	DFFA
Alternative Name:	DFFA (DFFA 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 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)

Target Details

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. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Aliases: DFF1, ICAD, DFF-45

Molecular Weight: 36.5 kDa

Gene ID: 1676

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

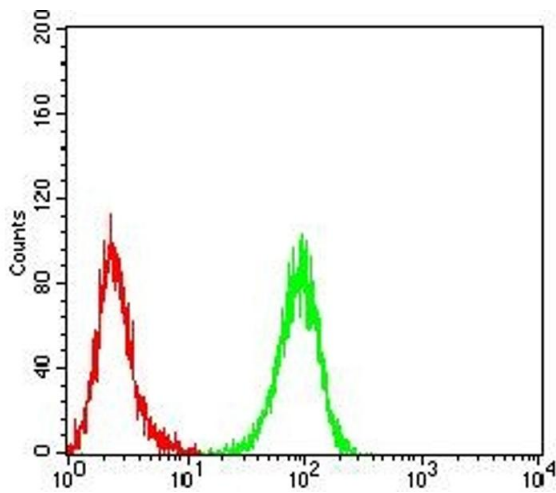
Buffer: Purified antibody in PBS with 0.05 % sodium azide

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

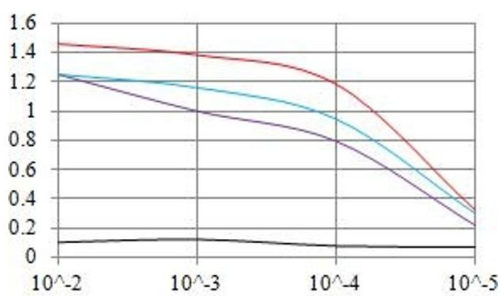
Storage Comment: 4°C, -20°C for long term storage



Flow Cytometry

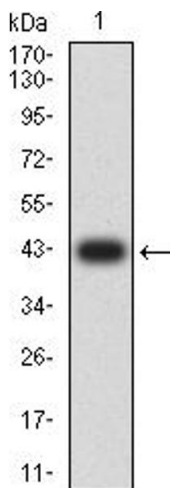
Image 1. Flow cytometric analysis of Hela cells using DFFA mouse mAb (green) and negative control (red).

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 DFFA mAb against human DFFA (AA: 179-331) recombinant protein. (Expected MW is 42.9 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7193432.