

## Mouse Monoclonal Antibody to AIF

<b>Catalogue Number</b>	sAP-0595
<b>Target Molecule</b>	<b>Name: AIF</b> <b>Aliases:</b> AIFM1; AIF; PDCD8; COXPD6; MGC111425 <b>MW: 67kDa</b> <b>Entrez Gene ID: 9131</b>
<b>Description</b>	This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells, and it is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it affects chromosome condensation and fragmentation. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Mutations in this gene cause combined oxidative phosphorylation deficiency 6, which results in a severe mitochondrial encephalomyopathy. Alternative splicing results in multiple transcript variants. A related pseudo-gene has been identified on chromosome 10
<b>Immunogen</b>	Purified recombinant fragment of human AIF expressed in E. Coli. ;
<b>Recitative Species</b>	Human; Mouse; Monkey; Rat
<b>Clone</b>	MM4E7;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ;
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Apoptosis. 2009 Jun;14(6):796-808. ; 2. PLoS One. 2009;4(2):e4394. Epub 2009 Feb 6.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**