

## Mouse Monoclonal Antibody to ALDOA

<b>Catalogue Number</b>	sAP-1618
<b>Target Molecule</b>	<p><b>Name:</b> ALDOA</p> <p><b>Aliases:</b> ALDA; GSD12; HEL-S-87p</p> <p><b>MW:</b> 39.4kDa</p> <p><b>Entrez Gene ID:</b> 226</p>
<b>Description</b>	<p>The protein encoded by this gene, Aldolase A (fructose-bisphosphate aldolase), is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Aldolase A is found in the developing embryo and is produced in even greater amounts in adult muscle. Aldolase A expression is repressed in adult liver, kidney and intestine and similar to aldolase C levels in brain and other nervous tissue. Aldolase A deficiency has been associated with myopathy and hemolytic anemia. Alternative splicing and alternative promoter usage results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 3 and 10.</p>
<b>Immunogen</b>	Purified recombinant fragment of human ALDOA (AA: 9-145) expressed in E. Coli.
<b>Reactive Species</b>	Human; Mouse;
<b>Clone</b>	MM1C5B2
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% 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; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Cancer Lett. 2016 Apr 28;374(1):127-35. 2.Oncol Rep. 2014 Nov;32(5):2031-7.

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**