

## Mouse Monoclonal Antibody to HAS1

<b>Catalogue Number</b>	sAP-0433
<b>Target Molecule</b>	<b>Name:</b> HAS1 <b>Aliases:</b> HAS; HAS1 <b>MW:</b> 65kDa <b>Entrez Gene ID:</b> 3036
<b>Description</b>	Hyaluronan or hyaluronic acid (HA) is a high molecular weight unbranched polysaccharide synthesized by a wide variety of organisms from bacteria to mammals, and is a constituent of the extracellular matrix. It consists of alternating glucuronic acid and N-acetylglucosamine residues that are linked by beta-1-3 and beta-1-4 glycosidic bonds. HA is synthesized by membrane-bound synthase at the inner surface of the plasma membrane, and the chains are extruded through pore-like structures into the extracellular space. It serves a variety of functions, including space filling, lubrication of joints, and provision of a matrix through which cells can migrate. HA is actively produced during wound healing and tissue repair to provide a framework for ingrowth of blood vessels and fibroblasts. Changes in the serum concentration of HA are associated with a variety of diseases, including cancer, arthritis, and cardiovascular disease.
<b>Immunogen</b>	Purified recombinant fragment of human HAS1 expressed in E. Coli.
<b>Recitative Species</b>	Human
<b>Clone</b>	MM3E10;
<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 H2O, 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: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Clin Lymphoma. 2005 Mar;5(4):253-6. ; 2. Mol Cell Biochem. 2006 Nov;292(1-2):169-78. ; 3. J Biol Chem. 2008 Jun 13;283(24):16781-9.

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 end users! This product is sold for **Research Use Only**