

## Mouse Monoclonal Antibody to HAS2

Catalogue Number	sAP-0765
Target Molecule	<b>Name:</b> HAS2 <b>Aliases:</b> <b>MW:</b> 63.5kDa <b>Entrez Gene ID:</b> 3037
Description	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.
Immunogen	Purified recombinant fragment of human HAS2 (AA: 67-170) expressed in E. Coli.
Recitative Species	Human;
Clone	MM4E7;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 100 - 1 to 500
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Cancer Res. 2012 Jan 15;72(2):537-47. 2.J Biol Chem. 2011 Sep 23;286(38):33632-40.

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**