

## Mouse Monoclonal Antibody to Fibulin 5

**Catalogue Number** sAP-0063

**Target Molecule** **Name:** Fibulin 5

**Aliases:** EVEC; UP50; ARMD3; DANCE

**MW:** N/A

**Entrez Gene ID: 10516**

**Description** Fibulin 5(FBLN5), with 448-amino acid protein (about 50kDa), is a recently discovered multifunctional extracellular matrix protein that mediates endothelial cell adhesion through integrin ligation, regulates cell growth and motility in a context-specific manner, and prevents elastinopathy *in vivo*. Fibulin-5 is abundantly expressed in great vessels and cardiac valves during embryogenesis, and in many adult tissues including the aorta, lung, uterus and skin, all of which contain abundant elastic fibres. Decreased fibulin-5 may contribute to the pathogenesis of aortic dissection by impairing elastic fiber assembly. Fibulin-5 is also a good marker of skin ageing and that the earlier loss of fibulin-5 may involve age-dependent changes in other elastic fibre components.

**Immunogen** Purified recombinant fragment of Fibulin 5 expressed in E. Coli.

**Reactive Species** Human

**Clone** MM3F8D5;

**Size and Concentration** 100µg/1mg/ml

**Supplied as** Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% 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

**Shipping** Regular FEDEX overnight shipment (ambient temperature)

**Reference** 1. Wen Wang , Scott A. LeMaire, Li Chen. *Surgery*. 2005 Aug;138(2):352-9. ; 2. K. Kadoya, T. Sasaki, G. Kostka. *Br J Dermatol.* 2005 Sep;153(3):607-123. ; 3. Michael J. Lee, Nakshatra K. Roy, Jon E. Mogford. *J Am Coll Surg.* 2004 Sep;199(3):403-10. ;

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**