

Mouse Monoclonal Antibody to HAND1

Catalogue Number sAP-0205

Target Molecule **Name:** HAND1

Aliases: Hxt; eHand; Thing1; bHLHa27

MW: N/A

Entrez Gene ID: 9421

Description HAND1: heart and neural crest derivatives expressed 1. The protein encoded by this gene belongs to the basic helix-loop-helix family of transcription factors. This gene product is one of two closely related family members, the HAND proteins, which are asymmetrically expressed in the developing ventricular chambers and play an essential role in cardiac morphogenesis. Working in a complementary fashion, they function in the formation of the right ventricle and aortic arch arteries, implicating them as mediators of congenital heart disease. In addition, it has been suggested that this transcription factor may be required for early trophoblast differentiation.

Immunogen Purified recombinant fragment of HAND1 (aa90-190) expressed in E. Coli.

Reactive Species Human

Clone MM8E7A11;

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. J Biol Chem. 2002 Apr 12;277(15):12604-12. ; 2. Mol Cell. 2003 Nov;12(5):1225-37.

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**