

## Mouse Monoclonal Antibody to HEXA

**Catalogue Number** sAP-0693

**Target Molecule** **Name:** HEXA

**Aliases:** TSD

**MW:** 60.7kDa

**Entrez Gene ID: 3073**

**Description** This gene encodes the alpha subunit of the lysosomal enzyme beta-hexosaminidase that, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Beta-hexosaminidase is composed of two subunits, alpha and beta, which are encoded by separate genes. Both beta-hexosaminidase alpha and beta subunits are members of family 20 of glycosyl hydrolases. Mutations in the alpha or beta subunit genes lead to an accumulation of GM2 ganglioside in neurons and neurodegenerative disorders termed the GM2 gangliosidoses. Alpha subunit gene mutations lead to Tay-Sachs disease (GM2-gangliosidosis type I).

**Immunogen** Purified recombinant fragment of human HEXA expressed in E. Coli. ;

**Reactive Species** Human

**Clone** MM3F10;

**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; FCM: 1 to 200 - 1 to 400

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

**Reference** Clin Biochem. 2009 Jul;42(10-11):1187-9. ; Pediatr Res. 2010 Feb;67(2):217-20. ;

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**