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Product datasheet for AM50044PU-N

HEXA (89-529) Mouse Monoclonal Antibody [Clone ID: AT20F1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT20F1
Applications:	ELISA, FC, WB
Recommended Dilution:	**ELISA.** **Western blot:** Recommended starting dilution is 1:3000. **Flow cytometry.**
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human HEXA (89-529aa) purified from *E. coli*
Specificity:	This antibody detects HEXA at aa 89-529.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	hexosaminidase subunit alpha
Database Link:	Entrez Gene 3073 Human P06865

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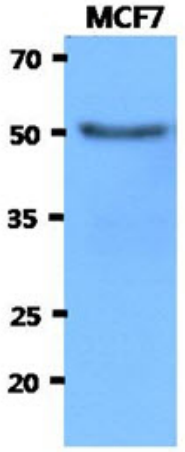
Background: HEXA (Hexosaminidase A), also designated beta-Hexosaminidase A, is responsible for the degradation of GM2 gangliosides, and a variety of other molecules containing terminal N-acetyl hexosamines, in the brain and other tissues. A mutation in the a subunit of hexosaminidase is the cause of Tay-Sachs disease (TSD), also known as GM2-gangliosidosis type I. TSD is a fatal autosomal recessive lysosomal storage disease of the central nervous system (CNS) caused by insufficient activity of the HEXA enzyme that results in a failure to process GM2 gangliosides. The accumulation of GM2 ganglioside in the absence of HEXA activity causes progressive destruction of the CNS.

Synonyms: beta-N-acetylhexosaminidase; MGC99608; N-acetyl-beta-glucosaminidase; TSD

Product images:



The cell lysates of MCF7 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human HEXA antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.