

DESCRIPTION

Species Reactivity	Human
Specificity	Detects Human APP/Protease Nexin II (amino acids 1-11 of Amyloid β) in direct ELISAs.
Source	Monoclonal Mouse IgG Clone # AB42-5
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Recombinant protein to Fibrillar Amyloid β 1-42 peptide
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

ELISA Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Amyloid Precursor Protein (APP) is a type I transmembrane protein that is ubiquitously expressed on cell surfaces. It undergoes complex proteolytic processing and is cleaved by alpha-, beta-, and gamma-Secretases to generate soluble APP alpha, soluble APP beta, and Amyloid beta (A beta) fragments of several lengths. One of these fragments, A beta 42, generated by beta- and gamma-Secretase activities, has been implicated in Alzheimer's disease. Aberrantly high levels of this peptide form and accumulate in the brains of Alzheimer's disease patients to create the senile plaques characteristic of the disease.

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