

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ADAM22 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human ADAM8, 9, 10, 12, 15, 19, 23, 32, or 33 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 498805
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ADAM22 Gly26-His528 Accession # Q9P0K1
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	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

Human ADAM22 is a member of the ADAM (a disintegrin and metalloprotease domain) family of metalloproteases. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins. They have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, such as fertilization, muscle development, and neurogenesis. ADAM22 is highly expressed in the brain and may function as an integrin ligand in the brain. The amino acid sequence of human ADAM22 is 100%, 96% and 92% identical to that of chimpanzee, dog and mouse.

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