

Human ADAM22 Antibody

Monoclonal Mouse IgG_{2B} Clone # 498805 Catalog Number: MAB49081

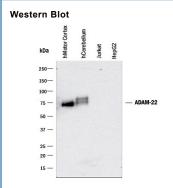
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human ADAM22 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human ADAM8, 9, 10, 12, 15, 19, 23, 32, or 33 is observed.		
Source	Monoclonal Mouse IgG _{2B} Clone # 498805		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ADAM22 Gly26-His528 Accession # Q9P0K1		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

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.

	Recommended Concentration	Sample	
Western Blot	2 μg/mL	See Below	
Immunoprecipitation	25 μg/mL	Conditioned cell culture medium spiked with Recombinant Human ADAM22, see our available Western blot detection antibodies	

DATA



Detection of Human ADAM22 by Western Blot. Western blot shows lysates of human brain (motor cortex) tissue, human brain (cerebellum) tissue, Jurkat human acute T cell leukemia cell line (negative control), and HepG2 human hepatocellular carcinoma cell line (negative control). PVDF membrane was probed with 2 μ g/mL of Mouse Anti-Human ADAM22 Monoclonal Antibody (Catalog # MAB49081) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). Specific bands were detected for ADAM22 at approximately 75 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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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