

DESCRIPTION

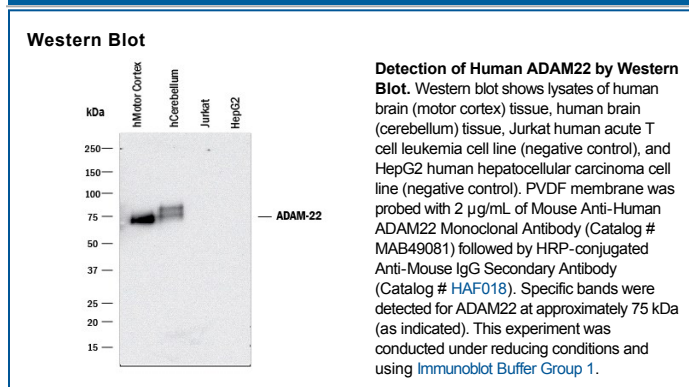
Species Reactivity	Human
Specificity	Detects human ADAM22 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human ADAM8, 9, 10, 12, 15, 19, 23, 32, or 33 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 498805
Purification	Protein A or G purified from hybridoma 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



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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 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.