

AM00836PU-N**Monoclonal Antibody to Carbamazepine - Purified**

Quantity:	1 mg
Concentration:	1.36 mg/ml (OD280nm)
Background:	Carbamazepine is a drug sometimes used as an alternative to Lithium in stopping the symptoms of manic depression and is particularly effective in people with rapid swings between mania and depression. It is also an anticonvulsant and mood stabilizing drug, used primarily in the treatment of epilepsy and bipolar disorder; and to treat schizophrenia and trigeminal neuralgia.
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	B3212M
Immunogen:	Carbamazepine-BSA
Format:	State: Liquid purified IgG fraction (>98% pure by SDS-PAGE). Product is 0.2 µm filtered. Purification: Protein G Chromatography Buffer System: PBS, pH 7.2 Preservatives: None
Applications:	ELISA. It is recommended to use a synthetic blocking agent or Casein when blocking is required. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific to Carbamazepine. Cross-reacts with the metabolite Carbamazepine-10, 11-epoxide.
Add. Information:	Centrifuge before opening to ensure complete recovery of vial contents.
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Product Citations:	Purchased from Acris: 1. Rosa Freitas, Ângela Almeida, Adília Pires, Cátia Velez, Vânia Calisto, Rudolf J. Schneider, Valdemar I. Esteves, Frederick J. Wrona, Etelvina Figueira, Amadeu. M.V.M. Soares. The effects of Carbamazepine on macroinvertebrate species: comparing bivalves and polychaetes biochemical responses. Water Research August 2015 137-147, 85. DOI: 10.1016/j.watres.2015.08.003. 2. Teixeira, M;Almeida, Â;Calisto, V;Esteves, VI;Schneider, RJ;Wrona, FJ;Soares, AM;Figueira, E;Freitas, R;2017Toxic effects of the antihistamine cetirizine in mussel Mytilus galloprovincialisWater Res 2017, 316-326, 114. PubMed PMID: 28273617.