



Amitriptyline Monoclonal Antibody (AM11-209.1)

Catalog Number MA1-10813

Product data sheet

Details		Species Reactivity	
Size	500 µg	Species reactivity	Chemical
Host/Isotope	Mouse / IgG1	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody	ELISA (ELISA)	1-10 µg/mL
Clone	AM11-209.1	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Amitriptyline, conjugated to KLH.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1.2 mg/mL		
Purification	Protein G		
Storage buffer	PBS, pH 7.4		
Contains	no preservative		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

MA1-10813 detects Amitriptyline. MA1-10813 has been successfully used in ELISA applications. The MA1-10813 immunogen is Amitriptyline, conjugated to KLH.

Background/Target Information

Amitriptyline is a Tricyclic Antidepressant that inhibits the re-uptake of norepinephrine and serotonin by the presynaptic neuronal membrane in the central nervous system (CNS), thereby increasing the synaptic concentration of norepinephrine and serotonin. Due to constant stimulation to these receptors, amitriptyline may produce a downregulation of adrenergic and serotonin receptors, which may contribute to the antidepressant activity. [National Center for Biotechnology Information. PubChem Compound Database; CID=2160].

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