

Butyrylcholinesterase Monoclonal Antibody (3E8)

Product Details

Size	200 µg
Species Reactivity	Human
Published Species	Human, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	3E8
Conjugate	Unconjugated
Immunogen	Butyrylcholinesterase isolated from human plasma.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.05% sodium azide
Storage conditions	-20° C, store in dark
RRID	AB_2063729

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
ELISA (ELISA)	1:20,000	-
Immunoprecipitation (IP)	-	2 Publications
Neutralization (Neu)	-	1 Publication
Affinity Purification (AP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	2 Publications

Product Specific Information

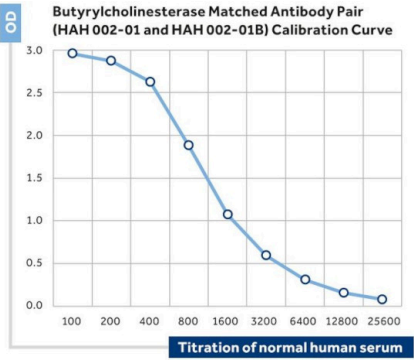
HAH 002-01-02 has specificity for butyrylcholinesterase from human serum or plasma. Crossreactivity to BtChE from other species has not been tested.

HAH 002-01-02 has been successfully used in ELISA techniques.

HAH 002-01-02 reacts with BtChE from normal serum when tested in sandwich ELISA. This antibody can be used as both the capture and detection antibody or an alternative antibody against BtChE can be used as capture antibody. In addition, it can be used in crossed immunoelectrophoresis followed by incubation of the gel with HAH 002-01-02. In immunoblotting after SDS-PAGE no reaction is seen with either the reduced or with the non-reduced form of BtChE. No reaction is seen with acetylcholinesterase from human nervous tissue and erythrocytes.

The HAH 002-01-02 immunogen is Butyrylcholinesterase found in human plasma cells.

Product Images For Butyrylcholinesterase Monoclonal Antibody (3E8)



Butyrylcholinesterase Antibody (HAH 002-01-02) in ELISA

Sandwich ELISA of Butyrylcholinesterase using HAH 002-01 as the capture antibody and HAH 002-01B as the biotinylated detection antibody.

Western Blot (1)

Chemico-biological interactions	Year 2016
Monoclonal antibodies to human butyrylcholinesterase reactive with butyrylcholinesterase in animal plasma.	
"HAH 002-01-02 was used to research monoclonal antibodies to human butyrylcholinesterase and their reaction in animal plasma with butyrylcholinesterase"	
Authors: Peng H,Brimijoin S,Hrabovska A,Krejci E,Blake TA,Johnson RC,Masson P,Lockridge O	

Immunoprecipitation (2)

Journal of chromatographic science	Year 2018
Comparison of Efficiency of Purification (from Human Plasma) of a Nerve Agent Adduct of Butyrylcholinesterase Between the Affinity Gel Method and Immunomagnetic Separation.	
"HAH 002-01-02 was used in Immunoprecipitation to purification efficiency between the procainamide affinity gel method and immunomagnetic separation for the nerve agent adduct of BChE in plasma and then optimized the sample preparation by purifying BChE to measure biomarkers of human exposure to organophosphorus nerve agents."	
Authors: Lee JY	
Species Human	

Analytical chemistry	Year 2010
Immunomagnetic separation and quantification of butyrylcholinesterase nerve agent adducts in human serum.	
"HAH 002-01-02 was used in immunoprecipitation to develop a new method to extract butyrylcholinesterase from serum for detecting nerve agent exposure"	
Authors: Sporty JL,Lemire SW,Jakubowski EM,Renner JA,Evans RA,Williams RF,Schmidt JG,van der Schans MJ,Noort D,Johnson RC	
Species Human	

Neutralization (1)

Analytical chemistry	Year 2012
A high-throughput diagnostic method for measuring human exposure to organophosphorus nerve agents.	
"HAH 002-01-02 was used in blocking or activating experiment to develop an automated high throughput method for diagnosing exposure to organophosphorus nerve agents"	
Authors: Knaack JS,Zhou Y,Abney CW,Jacob JT,Prezioso SM,Hardy K,Lemire SW,Thomas J,Johnson RC	
Species Human	

More applications with references on thermofisher.com

- AP (1)
- Misc (2)

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