

## Datasheet: OBT1641

<b>Description:</b>	MOUSE ANTI HUMAN ACETYLCHOLINESTERASE
<b>Specificity:</b>	ACETYLCHOLINESTERASE
<b>Format:</b>	Ascites
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AE-2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen (1)	▪			
Immunohistology - Paraffin		▪		
Immunoprecipitation (2)	▪			
Western Blotting		▪		

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.**

**(2)Extraction of sample in 0.5% Triton X-100 is recommended.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Monkey <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Ascitic Fluid - Diluted
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	Acetylcholinesterase (AChE) from human erythrocytes.
<b>External Database Links</b>	<b>UniProt:</b>

**Entrez Gene:**

[43](#)   ACHE   [Related reagents](#)

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**Specificity**      **Mouse anti Human Acetylcholinesterase antibody, clone AE-2** recognizes acetylcholinesterase, also known as AChE. Acetylcholinesterase is an enzyme involved in the hydrolysis of acetylcholine at the synapse.

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**References**

1. Fambrough, D. M. *et al.* (1982) Acetylcholinesterase of human erythrocytes and neuromuscular junctions: homologies revealed by monoclonal antibodies. [Proc. Natl. Acad. Sci. U. S. A. 79:1078-1082.](#)
2. Spring, F.A. *et al.* (1992) Evidence that the antigens of the Yt blood group system are located on human erythrocyte acetylcholinesterase. [Blood. 80: 2136-41.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life**      18 months from date of despatch.

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**Health And Safety Information**      Material Safety Datasheet Documentation #10303 available at: <https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

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**Regulatory**      For research purposes only

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