

# Anti-AOC3 / VAP1 Reference Antibody (timolumab)

Recombinant Antibody

Catalog # APR10628

## Product Information

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|--------------------------|----------------------------|
| <b>Application</b>       | FC, Kinetics, Animal Model |
| <b>Primary Accession</b> | <a href="#">Q16853</a>     |
| <b>Reactivity</b>        | Mouse, Rabbit              |
| <b>Clonality</b>         | Monoclonal                 |
| <b>Isotype</b>           | IgG4SP                     |
| <b>Calculated MW</b>     | 84622                      |

## Additional Information

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|---------------------------|--|
| <b>Target/Specificity</b> | AOC3 / VAP1  |
| <b>Endotoxin</b>          |  |
| <b>Conjugation</b>        | Unconjugated   |
| <b>Expression system</b>  | CHO Cell   |
| <b>Format</b>             | Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column. |

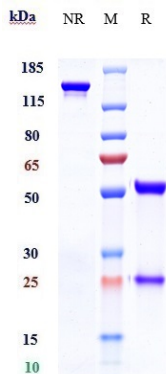
## Protein Information

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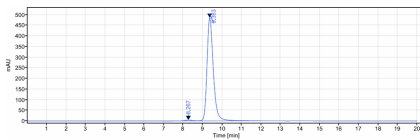
|                          |   |
|--------------------------|---|
| <b>Name</b>              | AOC3 ( <a href="#">HGNC:550</a> )   |
| <b>Synonyms</b>          | VAP1  |
| <b>Function</b>          | Catalyzes the oxidative deamination of primary amines to the corresponding aldehydes with the concomitant production of hydrogen peroxide and ammonia (PubMed: <a href="#">19588076</a> , PubMed: <a href="#">24304424</a> , PubMed: <a href="#">9653080</a> ). Has a preference for the primary monoamines methylamine and benzylamine (PubMed: <a href="#">19588076</a> , PubMed: <a href="#">9653080</a> ). Could also act on 2-phenylethylamine but much less efficiently (PubMed: <a href="#">19588076</a> ). At endothelial cells surface can also function as a cell adhesion protein that participates in lymphocyte extravasation and recirculation by mediating the binding of lymphocytes to peripheral lymph node vascular endothelial cells in an L-selectin-independent fashion (PubMed: <a href="#">9254657</a> , PubMed: <a href="#">9653080</a> ). |
| <b>Cellular Location</b> | Cell membrane; Single-pass type II membrane protein   |
| <b>Tissue Location</b>   | Strongly expressed on the high endothelial venules of peripheral lymph nodes and on hepatic endothelia. Also highly expressed in appendix, lung and small intestine. Expressed also in adipose tissue, in bone marrow, colon, heart, kidney, ovary, pancreas, placenta, prostate, skeletal muscle, spleen and testis.   |

Isoform 2 seems to be the predominant transcript in fetal kidneys, fetal cartilage and fetal tonsils. The highest relative expression of isoform 2 occurs in skeletal muscle, heart, pancreas, kidney, and lung

## Images



Anti-AOC3 / VAP1 Reference Antibody (timolumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-AOC3 / VAP1 Reference Antibody (timolumab) is more than 95% ,determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.