

AibGenesis™ Mouse Anti-AVPR1A Antibody (CBMOAB-36666FYA)

Cat. No.: CBMOAB-36666FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO36666FYA
Specificity	This antibody binds to Rhesus AVPR1A.
Format	Liquid or Lyophilized
Storage	Store at 4°C: short-term (1-2weeks) Store at -20°C: long-term and future use
Purity	> 90% was determined by SDS-PAGE
Purification	Purified with Protein A or G affinity chromatography
Cellular Localization	Endosome; Plasma Membrane; Other locations

Application-Information

Application	WB, ELISA
Application Notes	ELISA: 1:1000-1:3000 Other applications are to be developed. The optimal dilution should be determined by the end user.

Target

Introduction	The protein encoded by this gene acts as receptor for arginine vasopressin. This receptor belongs to the subfamily of G-protein coupled receptors which includes AVPR1B, V2R and OXT receptors. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. The receptor mediates cell contraction and proliferation, platelet aggregation, release of coagulation factor and glycogenolysis. (From NCBI)
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Product Overview	Mouse Anti-Rhesus AVPR1A Antibody is a mouse antibody against AVPR1A. It can be used for AVPR1A detection in Western Blot, Enzyme-Linked Immunosorbent Assay.
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Protein Refseq

The length of the protein is 421 amino acids long.

The sequence is show below: MDSMRFSAGPDAGPSGNSLWWPLATSAGNTSREAEALGEDNGPPRDVR
NEELAKLEIAV LAVTFTVAVLGNSSVLLALHRTPRKTSRMHLFIRHLSLADLAVAFFQVLPQMCWDITYRF RG
PDWLCRVVKHLQVFGMFASAYMLVMTADRYIAVCHPLKTLQQPARRSRLMIAAAWVL SFVLSTPQYFVFS
MIEVNNVTKARDCWATFIQPWGSRAYVTWMTGGIFVAPVVILGTCYG FICYNIWRNVRGKTASRQSKGAA
QAGAAFQKGFLAPCVSSVKISIRAKIRTVKMTFVIV TAYIVCWAPFFIIQMWSVWDPKSVWTESENPTITIT
ALLGSLNSCCNPWIYMFSGHLLQ DCVQSFPCCQNIKEKFNKEDTDSMSRRQTFYSNNRSPTNSTGMWK
DSPKSSKSIKFLPIS T.

Sub Cat	Clonalit y	Species	Reactivity	Applicati on	Clone	Conjugate	Size
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MO-AB-0014	Monoclonal	Elephant (<i>Loxodonta africana</i>)	WB, ELISA	MO00147	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg
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Protein Refseq: The length of the protein is 418 amino acids long. The sequence is show below: HAFLRSSGEGSAGNSSSWPPAASGPNM
SREAEALGEGGGQELDVRNEELAKLEIAVLAVTFAVAVLGNSSVLLALHRTPRKTSRMHLFI RHLSLADLAVAFFQVLPQLCWDITYRFRGPDGLC
RVVKHLQVLGMFASAYMLVMTADRYIAVCHPLKTLQQPARRSRLMIAAAWVLSFV LSTPQYFIFSMIEVNNVTAKYDCWATFIQPWGPRAYVTW
MTGGIFVAPVILVTCYGFICYHIWRNVRKTAASRRHKGLEGAGSAFQQGL LLAPCVSSVKTISRAKIRTVKMTFVIVTAYIICWAPFFIIQMWSVWDE
KSAWTDSENPTITITALLASLNSCCNPWIYMFSGHLLQDCI QSFPCCRNTKQKFNKEDSDSVSRRQTSYTHNRSPTNSMGIWKDSPKSSKSIKFI
PVST.

MO-AB-0632	Monoclonal	O. anatinus (<i>Ornithorhynchus anatinus</i>)	WB, ELISA	MO06327	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg
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Protein Refseq: The length of the protein is 433 amino acids long. The sequence is show below: MRGGPMPPLSDGPASGWAAWARNGSAGAG
TGAGASAGAEGGGRNGSAPFGRNEELAKLEVAVLAVTFAAALLGNCSVLLALHRTPRKTSRM HLFIRHLSLADLAVAFFQVLPQLCWDVTHFRF
GPDGLCRVVKHLQVFSMFASAYVLLAMTADRYIAVCHPLKTLQRPARRSRAMIAAAWT LSLLSVPQYFVFSFGEVQPGSGVFDCWADFVQPWG
QKAYVTWMTASIFLAPVLVLATCYGFICYHIWRNIRGKTGLGPRPGLGLTRPG LVLGPAGAGPPGRLLLTPCVSSIKSISRAKIRTVKMTLVIVTV
YVCSAPFFVVMWSTWDVRFVWLASEDAVVTITALLASLNSCCNP WIYMFSGHLLQDCIQSFPCCRKSRQKLTKEKSDSLSRRQTSLTNNRS
PTNSSGAWRDSPRSSKSTKFIPVST.

MO-AB-0731	Monoclonal	Rabbit (<i>Oryctolagus cuniculus</i>)	WB, ELISA	MO07319	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg
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Protein Refseq: The length of the protein is 419 amino acids long. The sequence is show below: MRFSGSSDVEPAGNFSPWWPLRAGGANG
SLGAGEPPGEGDEPQGDVRNEELAKLEIAVLAVTFAVAVLGNISVLLALHRTPRKTSRMHLF IRHLSLADLAVAFFQVLPQLCWDITYRFRGPDWL
CRVVKHLQVFAMFASAYMLVMTADRYIAVCHPLKTLQQPARRSRLMIAASWVLSF VLSTPQYFIFSMIEVNNVTAKQDCWATFIQPWGSRAYVT
WMTSGIFVAPVVILGTCYGFICYHIWSNVRGKTASRQSKGSEGAAGAFHKG LLLAPCVSSVKTISRAKIRTVKMTFVIVTAYIVCWAPFFIIQMWSV

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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WDENFNWTDSENPSITITALLASLNSCCNPWIYMFSGHLLQDC LQSFLLCCQNIQNFNKEETDSMSRRQTSYSNNRSPNTSTGTWKDSPKSSK SIKVLPAST.

MO-AB-0790	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO07906	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
6R				R	her labeled form.	g

Protein Refseq: The length of the protein is 421 amino acids long.

The sequence is show below: MRFSGSPSAEPASNSSRWWPLTAGGANTSGDSEALGEDGGPQADTRNEELAKLEIAVLAVIFVAVLGNSSVLLA LHRTPRKTSRMHLFI RHLSLADLAVAFFQVLPQLGWDITYRFRGPDGLCRVVKHMQVFAMFASAYMLVVMTADRYIAVCHPLKTLQQPARRSRLM IAAAWVLSFV LSTPQYFVFSVVEVSNVTKYDCWANFIQPWGLPAYVTWMTGSVFLAPMVILGTCYGFICHHIWGNVRGKTAGRQ.

MO-AB-0896	Monoclonal	Cat (<i>Felis catus</i>)	WB, ELISA	MO08962	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
2W				W	her labeled form.	g

Protein Refseq: The length of the protein is 418 amino acids long.

The sequence is show below: MRFSGGPNQGPADNSSQGWPLLAGGVNGSRAEEALGDGGSPQGDVRNEELAKLEIAVLAVTFVAVLGNSSVL VALHRTPRKTSRMHLFI RHLSLADLAVAFFQVLPQMCWDITYRFRGPDGLCRVVKHLQVFGMFVSPYMLVVMTADRYIAVCHPLKTLQQPTRRSR LMIAAAWVLSFV LSTPQYFVFSMVEVNNVTKARDCWATFIQPWGPWAYVTWMTGGIFVAPVVILGTCYGFICYHIWRNVRGKTALLPGKGAEGAS GALHKGFLAPCISSVKTISRKIRTVKMTFVIVTVYVCWAPFFILQMWSVWDEKFWWIESENPAITITALLASLNSCCNPWIYMFSGHLLQDCV H SFPCCQNMNQTFNKEDSDSMSRRQTSYTNNRSPNTSMGTWKDSPKSSKSIKIPVST.

MO-AB-1432	Monoclonal	Sheep (<i>Ovis aries</i>)	WB, ELISA	MO14328	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
8Y				Y	her labeled form.	g

Protein Refseq: The length of the protein is 424 amino acids long. The sequence is show below: MDSMRFGSPSAGPASNSSRWWPLDAGG ANTSGDSQALGEDGGPQADTRNEELAKLEIAVLAVIFVAVLGNSSVLLALHRTPRKTSRMH LFIHRLSLADLAVAFFQVLPQLGWDITYRFRGPD GLCRVVKHMQVFAMFASAYMLVVMTADRYIAVCHPLKTLQQPARRSRLMIAAAWVL SFVLSTPQYFVFSMVEVSNVTKYDCWANFIHPWGLPA YVTWMTGSVFVAPVVILGTCYGFICYHIWRKVRGKTAGRQGAGAPAEGAGES ALYRGVLHARCVSSVKTISRKIRTVKMTFVIVTAYVCWAPFFI IQMWSAWDKNFSWVESENPAIPAALLASLNSCCNPWIYMFSGH LLQDCAQSFPCCQNVKRTFTREGSDSMSRRQTSFTNNRSPNTSMGTW KDSPKSSKSIKIPVST.

MO-AB-1536	Monoclonal	Chimpanzee (<i>Pan troglodytes</i>)	WB, ELISA	MO15361	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
1W				W	her labeled form.	g

Protein Refseq: The length of the protein is 421 amino acids long.

The sequence is show below: MDSMRLSAGPDAGPSGNSSPWWPLATGAGNTSREAEALGEGNGPPRDVRNEELAKLEIAVLAVTFVAVLGNSS VLLALHRTPRKTSRMH LFIHRLSLADLAVAFFQVLPQMCWDITYRFRGPDWLRCRVVKHLQVFGMFASAYMLVVMTADRYIAVCHPLKTLQQPARR SRLMIAAAWVL SFVLSTPQYFVFSMIEVNNVTKARDCWATFIQPWGSRAYVTWMTGGIFVAPVVILGTCYGFICYNIWRNVRGKTASRQSKGAEQ

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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AGVAFQ KGFLAPCVSSVKSISRKIRTVKMTFVIVTAYIVCWAPFFIIQMWSVWDPKSVWTESENPTITITALLGSLNSCCNPWIYMFSGHLLQ D
CVQSFPCCQNMKEKFNKEDTDSMSRRQTFYSNNRSPTNSTGMWKDSPKSSKSIKIPVST.

MO-AB-2404	Monoclonal	Pig (<i>Sus scrofa</i>)	WB, ELISA	MO24044	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
4R	al			R	her labeled form.	g

Protein Refseq: The length of the protein is 421 amino acids long.

The sequence is show below: MRFSGSPSAGPASNSSRWWPLDAGGANTSGDSQALGEDGGPQADTRNEELAKLEIAVLAVIFVAVLGNSSVLL
ALHRTPRKTSRMHLFI RHLSLADLAVAFFQVLPQLGWDITYRFRGPDGLCRVVKHMQVFAMFASAYMLVMTADRYIAVCHPLKTLQQPARRSRL
MIAAAWVLSFV LSTPQYFVFSMVEVSNVTKYDCWANFIHPWGLPAYVTWMTGSVFVAPVVILGTCYGFICYHIWRKVRGKTAGRQAGAPAE
AGESALY RGV LHARC VSSVKTISRKIRTVKMTFVIVTAYIVCWAPFFIIQMWSAWDKNFSWVESENPAIPAALLASLNSCCNPWIYMFSGHLLQ
DCAQSFPCCQNVKRTFTREGSDSMSRRQTSFTNNRSPTNSMGTWKDSPKSSKSIKIPVST.

MO-AB-2919	Monoclonal	Dog (<i>Canis lupus familiaris</i>)	WB, ELISA	MO29191	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
1W	al			W	her labeled form.	g

Protein Refseq: The length of the protein is 414 amino acids long.

The sequence is show below: MRIPGGPGAPSAGNSSRWWPASGRGANASGDAGALADGGGPPRDARNEELAKLEIAVLAVTFVAVLGNSSVLV
ALHRTPRKTSRMHLFI RHLSLADLAVAFFQVLPQMCWDITYRFRGPDGLCRVVKHLQVFGMFVSPYMLVMTADRYIAVCHPLKTLQQPTRRSRL
MIAAAWVLSLV LSTPQYLVFSMVEVNNVTKANDCWATFIQPWGPRAYVTWMTAGIFVAPVVLLATCYGCICSHIWRSVRGRTALRAGAAAGAVPR
GVL RAP GASSVKTISRKMRTVKMTFVIVTVYIVCWAPFFILQMWSVWDDGFVWIESENPAITITALLASLNSCCNPWIYMFSGHLLQDCVQSFP
CCQNMKQTFNKVDSDSVSRRTSYTNNRSPTNSMGTWKDSPKTSKSVKIPVST.

MO-AB-3444	Monoclonal	Ferret (<i>Mustela Putorius Furo</i>)	WB, ELISA	MO34447	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
7W	al			W	her labeled form.	g

Protein Refseq: The length of the protein is 421 amino acids long.

The sequence is show below: MGSMRVSGGPAAVSADNSSEWWPLSAGGANRSGEAEAPGGGRSPPGDVRDEELAKAEIAVLAVTFVAVLGNS
SVLVALHRTPRKTSRMH LFIRHLSLADLAVAFFQVLPQMCWDITYRFRGPDALCRVVKHLQVFGMFVSPYMLVMTADRYIAVCHPLKTLQQPTR
RSRLMIAAAWVL SFVLSTPQYFVFSMVEVDNVTKAIDCWATFIQPWGPRAYVTWMTGGIFVAPVVILGTCYGFICYHIWRNVRGKTALRPGKGAE
GASGALH KGFLAPCISSVKTISRKIRTVKMTFVIVTVYIVCWAPFFILQMWSVWDDKLWVESENPAVTITALLASLNSCCNPWIYMFSGHLLQ
DCIQSFPCCQSMKQTLNKEDSDSVSRRTSYTNNRSPTNSMVTWKDSPKFSKSVKIPVST.

MO-AB-4382	Monoclonal	Horse (<i>Equus caballus</i>)	WB, ELISA	MO43829	Unconjugated; also available for Biotin; HRP; FITC and ot100 µg	
9W	al			W	her labeled form.	g

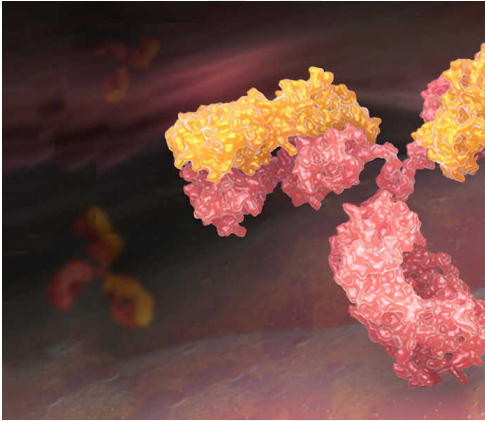
Protein Refseq: The length of the protein is418 amino acids long.

The sequence is show below: MRFSGGPGAGSTGNSSRWWPLAAGGANASRESKRSGKAAQQRDLRNEELAKVEIAVLAVTFVAVLGNSCVL

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
MO-AB-5166	Monoclonal	Marmoset	WB, ELISA	MO51661	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 418 amino acids long.

The sequence is show below: MRFSTGPDAGPSGNSSPWPLVTGGANTSQETEPFGEGNGPPKDERNEELAKLEIAVLAVTFFAVLGNSSVLLALHRTPRKTSRMHLFI RHLSLADLAVAFFQVLPQMCWDITYRFRGPDWLRCRVVKHLQVFGMFASAYMLVVMTADRYIAVCHPLKTLQQPARRSRLMIGAAWVLSFL LSTPQYFVFSMIEVNNVTKARDCWATFIQPWGPRAYVTWMTGGIFVAPVVILGTCYGFICCNWRNVRGKTASRQNKGAEQAGAFQKGF LLAPCVSSVKSISRAKIRTVKMTFVIVTAYIICWAPFFIIQMWSVWDANSIWTESENPTITITALLASLNSCCNPWIYMFFSGHLLQDCI QSFLCCQNLKEKFNKEDTDTSRKQTFYSNYRSPTNSTVTWKDSPKSSRSIKFIPVST.



AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.