

AibGenesis™ Mouse Anti-Spr Antibody (CBMOAB-31789FYA)

Cat. No.: CBMOAB-31789FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO31789FYA
Specificity	This antibody binds to fruit fly Spr.
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	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	This gene encodes an aldo-keto reductase that catalyzes the NADPH-dependent reduction of pteridine derivatives and is important in the biosynthesis of tetrahydrobiopterin (BH4). Mutations in this gene result in DO PA-responsive dystonia due to sepiaterin reductase deficiency. A pseudogene has been identified on chromosome 1. (From NCBI)
Product Overview	Mouse Anti-D. melanogaster Spr Antibody is a mouse antibody against Spr. It can be used for Spr detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 435 amino acids long.

The sequence is show below: MDNYTDVLYQYRLAPSASPEMEMELADPRQMVRGFHLPTNESQLEIPDYG
NESLDYPNYQ QMVGGPCRMEDNNISYWNLTCDSPLEYAMPLYGYCMPFLLIITIISNSLIVLVLSKKSTMA TP
TNFVLMGMAICDMLTVIFPAPGLWYMYTFGNHYKPLHPVSMCLAYSIFNEIMPAMCHT ISVWLTALAVQRYI
YVCHAPMARTWCTMPRVRRCTAYIALLAFLHQLPRFFDRTYMPLV IEWNGSPTEVCHLETSMWVHDYIGV
DLYYTSYYLFRVLFVHLLPCIIIVTLNILLFAAMR QAQERRKLLFRENKKECKKLRETNCTTLMILVVSVFLL
AEIPIAVVTAMHIVSSLIIE FLDYGLANICIMLTNFFLVFSYPINFGIYCGMSRQFRETFFKEIFLGRMLAKKDSST
KYSI VNGARTCTNTNETVL.

Sub Cat	Clonal ity	Species Reactivity	Application	Clone	Conjugate	Size
CBMOAB-58	Monocl	Rhesus (<i>Macaca mulatta</i>)	WB, ELISA	MO58982	Unconjugated; also available for Biotin; HRP;	100
982FYA	onal			FYA	FITC and other labeled form.	µg

Protein Refseq: The length of the protein is 225 amino acids long.

The sequence is show below: LVLNARNNEALRQLEAELGAERSGLRVVRVPADLGAEAGLQQLLGALRDLPRPEGLQRLLINNAGSLGDVSKGF
VDLSDSTQVNNYWAL NLTSMLCLTSSVLKAFPASPGLNRTVVNISSLCALQPFKGWALYCAGKAARDMLFQVLALleepNVRVLNYAPGPLDMDM
QQLARETSMMP DMRKGLQELKAKGKLVDCKVSAQKLLSLQKDEFKSGAHVDFYDK.

MO-AB-1603	Monocl	Chimpanzee (<i>Pan troglodytes</i>)	WB, ELISA	MO16031	Unconjugated; also available for Biotin; HRP;	100
1W	onal			W	FITC and other labeled form.	µg

Protein Refseq: The length of the protein is 261 amino acids long.

The sequence is show below: MEGGLGRAVCLLTGASRGFGRTLAPLLASLLSPGSLVLSARNDALRQLEAELGAERSGLCVVRVPADLGAEAG
LQQLLGALRELPRPK GLQRLLINNAGSLGDVSKGFVDLSDSTQVNNYWALNLTSMLCLTSSVLKAFPASPGLNRTVVNISSLCALQPFKGWALY
CAGKAARDML FQVLALleepNVRVLNYAPGPLDMDMQQLARETSVDPDMRKGLQELKAKGKLVDCKVSAQKLLSLQKDEFKSGAHVDFYDK.

MO-AB-7043	Monocl	Silkworm (<i>Bombyx mori</i>)	WB, ELISA	MO70434	Unconjugated; also available for Biotin; HRP;	100
4W	onal			W	FITC and other labeled form.	µg

Protein Refseq: The length of the protein is 406 amino acids long.

The sequence is show below: MAVTIDNSTNDFEFQKPFNYSINENITYFDYTNFTSDDFCASNNSHVYLNVTCEFAISYAEPMYGYIAPFLATTTVA
NTLIVVLSRRH MRTPTNAVLMAMALCDMFTMLFPAPWLFYMYTFGNHYKPLSPVRACQAWNYMNEVIPAMFHTASIWLTLALAVQRYIYVCHAP
VARTWCT MPRVMKCLIIYIGIAAFLHQLPRFFDRCYTPHKTVWRGRVEEVCREIMASWVKALSVDAYFISYFGFRVLFVHLIPCTSLVVLNVLLFRA
M RTAQINRQKLFKENRKSECKRLRDSNCTTLMILVVVTVFLLEIPVAVVTILHIISSTIVEILDYHIANILVLVTNFFIIVSYPINFAIY CGMSRQFRETFFK
ELFIRGTVTSRKNKGSSRYSLVNGPRTCTNETVL.

MO-AB-2084	Monocl	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO20843	Unconjugated; also available for Biotin; HRP;	100
3R	onal			R	FITC and other labeled form.	µg

Sub Cat	Clonal ity	Species	Reactivity	Application	Clone	Conjugate	Size
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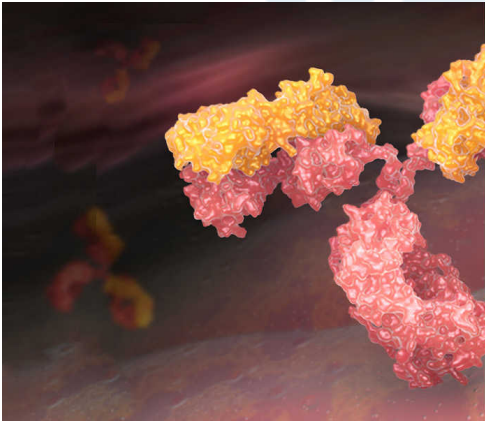
Protein Refseq: The length of the protein is 267 amino acids long.

The sequence is show below: MEGSVGKVGGLGRTLCLVLTGASRGFGRTLAQVLAPLMSPRSVLVLSARNDEALRQLETELGAEWPGLRIVRVPA
DLGAETGLQQLVGALC DLPRPEGLQRVLLINNAGTLGDVSKRWVDLTDPTENVNYWTLNLTSTLCLTSSILQAFDPSPGLSRTVVNISSICALQPF
KGWGLYCAGK AARNMMFQVLAEEPSVRVLSYGGPGLDMDQQLARETSVDPDLRKSLQELKRKGELVDCKISAQKLLSLLQNDK.

MO-AB-0602	Monocl				MO06023	Unconjugated; also available for Biotin; HRP; 100	
3Y	onal	A. aegpti	(<i>Aedes aegpti</i>)	WB, ELISA	Y	FITC and other labeled form.	µg

Protein Refseq: The length of the protein is 511 amino acids long. The sequence is show below: MSIDAAVVAGAGDISNLVGRLLLLSSSVTGAGG
SGSTFAANSBGDASSGGERMLYYFDGSDDDSTASKQQFHSLQHQQKAALLLGENITTSTMY SSLDPGIYNPIEAENETDFLYINGPSSSYGYTEGH
NGTLPYGDDYYQSCMGMYGNVTYLNVSCETILNYSIPLYGYCTPIFILITLTANS LIVIVLSKRSMASPTNFVLMAMALCDMFTLIFPAPGLLYMYTFG
NHYKPLSPITACYVWNALNEHLPAMFHTASVWLTALAVQRYVYVC HAPIARTWCTIPRVKKCIAIYICIAALIHQSTRFFDKSYSLVTIEWNGHSTEV
CHTETSSWVHDYVGEDVYYTFYFSRILFVHLIPCGSL VALNVLLFKAMRQAQQKRERLFKDTAKKRECKRVRDSNCTTLMILIVVTVFLIVEIPLA
VITALHIISSLIYEFLDYYIANLFILFANFF LIVSYPIFAIYCGMSRQFRETFFKEIFVKSSKQIPSGKKDCGSSRYSLVNGPRTFTNETVL.

MO-DKB-009	Polyclo	Human	(<i>Homo sapiens</i>), Mouse	(<i>Mus muscul</i>	WB, IF, IHC, I		100
16W	nal	us), Rhesus	(<i>Macaca mulatta</i>)	HC-P, IP	Unconjugated		µg



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.