

A LEAP FORWARD



in AAV gene therapy research & development



neutralizing
antibodies

AAV ANTIBODIES AS POSITIVE CONTROLS IN NEUTRALIZATION ASSAYS

USE OUR AAV ANTIBODIES FOR YOUR AAV NEUTRALIZATION ASSAY!

AAV vectors are powerful gene therapy tools. Neutralizing AAV antibodies present in serum or plasma may block transduction with AAV vectors. In a prescreening step before vector administration, the titer of neutralizing AAV antibodies can be determined in a neutralization assay.

Available
in sample
sizes!

PROGEN's AAV antibodies are ideal positive controls that neutralize wild-type AAV capsids of AAV serotypes 1, 2, 5, 6, 8, and 9 (see references below).

AAV Serotype	Antibody	Cat. No.	Literature
AAV1	ADK1a	610150	<i>Tseng YS et al., 2015, Adeno-Associated Virus Serotype 1 (AAV1)-and AAV5-Antibody Complex Structures Reveal Evolutionary Commonalities in Parvovirus Antigenic Reactivity, J Virol 89:1794-1808</i>
AAV2	A20	61055	<i>Moskalenko M et al., 2000, Epitope Mapping of Human Anti-Adeno-Associated Virus Type 2 Neutralizing Antibodies: Implications for Gene Therapy and Virus Structure, J Virol 74:1761-1766</i> <i>Wobus CE et al., 2000, Monoclonal antibodies against the adeno-associated virus type 2 (AAV-2) capsid: epitope mapping and identification of capsid domains involved in AAV-2-cell interaction and neutralization of AAV-2 infection, J Virol 74:9281-9293</i>
AAV2	A20R	610298	<i>Müller N et al., 2018, (R)evolution of AAV2 titration ELISA – from monoclonal to recombinant, ESGCT, XXVI Congress, Poster #413</i>
AAV5	ADK5b	610149	<i>Tseng YS et al., 2015, Adeno-Associated Virus Serotype 1 (AAV1)-and AAV5-Antibody Complex Structures Reveal Evolutionary Commonalities in Parvovirus Antigenic Reactivity, J Virol 89:1794-1808</i>
AAV6	ADK6	610159	<i>Bennett AD et al., 2018, AAV6 K531 serves a dual function in selective receptor and antibody ADK6 recognition, Virol 518:369-376</i>
AAV8	ADK8	610160	<i>Gurda BL et al., 2012, Mapping a Neutralizing Epitope onto the Capsid of Adeno-Associated Virus Serotype 8, J Virol 86:7739-7751</i> <i>Raupp C et al., 2012, The Threefold Protrusions of Adeno-Associated Virus Type 8 Are Involved in Cell Surface Targeting as Well as Postattachment Processing, J Virol 86:9396-9408</i> <i>Sonntag F et al., 2011, The assembly activating protein (AAP) promotes capsid assembly of different AAV serotypes, J Virol 85:12686-12697</i>
AAV9	ADK9	610162	<i>Sonntag F et al., 2011, The assembly activating protein (AAP) promotes capsid assembly of different AAV serotypes, J Virol 85:12686-12697</i> <i>Tseng YS et al., 2016, Generation and characterization of anti-Adeno-associated virus serotype 8 (AAV8) and anti-AAV9 monoclonal antibodies, J Virol Meth 236: 105-110</i> <i>Varadi K et al., 2012, Novel random peptide libraries displayed on AAV sero-type 9 for selection of endothelial cell-directed gene transfer vectors, Gene Ther 19:800-809</i>

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