

Product datasheet

anti-AAV2 (intact particle) mouse recombinant, A20R, sample

Short overview

| | |
|----------------------|----------|
| Cat. No. | 690298S |
| Quantity | 200 µl |
| Concentration | 50 µg/ml |

Product description

| | |
|-------------------------|---|
| Host | Mouse |
| Antibody Type | Recombinant |
| Isotype | IgG1 |
| Clone | A20R |
| Immunogen | AAV2 capsids |
| Formulation | PBS, pH 7.4 with 0.09% sodium azide and 0.5% BSA |
| Binding affinity | KD value (AAV2) = <1.0E-12 M KD value (AAV3) = <1.0E-12 M |
| Synonym | Adeno-associated virus 2; AAV-2 |
| Conjugate | Unconjugated |
| Purification | Affinity chromatography |
| Storage | Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles |
| Intended use | Research use only |
| Application | Dot blot, ELISA, ICC/IF, IP, Neutralization assay |
| Reactivity | AAV2, AAV2 7m8, AAV3, Anc80 |
| No reactivity | AAV1, AAV11, AAV12, AAV4, AAV5, AAV6, AAV7, AAV8, AAV9, AAVDJ, AAVrh10, AAVrh74 |

Applications

| | |
|----------------------------------|--|
| Dot Blot | 1:500 (0.1 µg/ml, non-denaturing conditions) |
| ELISA | Assay dependent |
| Immunocytochemistry (ICC) | 1:20 |
| Immunoprecipitation (IP) | 1:5 |
| Neutralization Assay | Assay dependent |

Background

For characterization of different stages of infection and very useful for the analysis of the AAV2 assembly process. A20R specifically reacts with intact AAV2, AAV3 and Anc80 particles, empty and full capsids. Recognizes a conformational epitope of assembled capsids, not present in denatured capsid proteins and native but unassembled capsid proteins. The antibody cannot be used for immunoblotting. The antibody is also useful for neutralizing experiments. The A20R antibody recognizes the same epitope as the A20 antibody (Cat. No. 61055).

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2025 March 23 / Version: 690298S/DS-121223lim | Page 1

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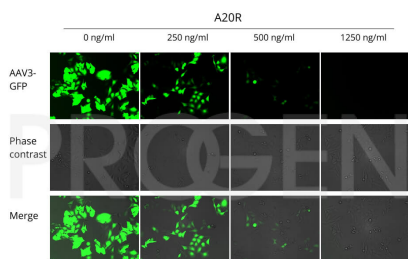
Product images



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| Antibody clone | Serotype | Binding affinity [KD value] | Neutralization activity [EC50] |
|----------------|----------|-----------------------------|--------------------------------|
| A20 | AAV2 | 2.6E-11 M | ~5 ng/ml |
| | AAV3 | <1.0E-12 M | ~3 ng/ml |
| A20R | AAV2 | <1.0E-12 M | na |
| | AAV3 | <1.0E-12 M | na |
| A20-h1 | AAV2 | 1.2E-10 M | ~8 ng/ml |
| | AAV3 | 9.3E-11 M | ~29 ng/ml |

Comparison of binding affinity and neutralization activity of anti-AAV2 antibodies (mouse monoclonal A20, mouse recombinant A20R and human chimeric A20-h1).



Neutralization of AAV3-GFP vectors with the A20R antibody. AAV infection was shown in HeLa cells and photos (GFP, CPE, merge) were taken ~48 h post infection. Neutralization was enhanced with increasing A20R concentration.