

Product datasheet

anti-AAV2 (intact particle) mouse recombinant, A20R, Biotin Conjugate

Short overview

| | |
|-----------------|--------|
| Cat. No. | 615298 |
| Quantity | 750 µl |

Product description

| | |
|--------------------------------------|---|
| Host | Mouse |
| Antibody Type | Recombinant |
| Isotype | IgG1 |
| Clone | A20R |
| Immunogen | AAV2 capsids |
| Formulation | Lyophilized; reconstitute in 750 µl sterile PBS |
| Synonym | Adeno-associated virus 2; AAV-2 |
| Conjugate | Biotin |
| Purification | Affinity chromatography |
| Storage before reconstitution | 2-8°C until indicated expiry date |
| Storage after reconstitution | 2-8°C |
| Intended use | Research use only |
| Application | Dot blot, ELISA |
| Reactivity | AAV2, AAV2 7m8, AAV3, Anc80 |
| No reactivity | AAV1, AAV11, AAV12, AAV4, AAV5, AAV6, AAV7, AAV8, AAV9, AAVDJ, AAVrh10, AAVrh74 |

Applications

| | |
|-----------------|--|
| Dot Blot | 1:100 (0.5 µg/ml; non-denaturing conditions) |
| ELISA | 1:20 |

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 A20R antibody recognizes the same epitope as the A20 antibody (Cat. No. 61055).

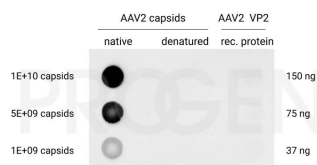
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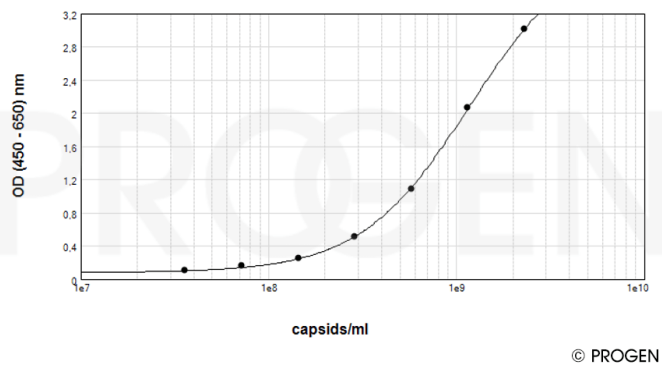
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Product images



Dot blot analysis of native AAV2 capsids (1E+09-1E+10 capsids), denatured AAV2 capsids (1E+09-1E+10 capsids, denatured for at 95°C for 10 min in sample buffer) and recombinant AAV2 VP2 protein (37-150 ng).The nitrocellulose membrane was blocked with 5% dry milk in PBST (PBS + 0.1% Tween 20) for 1 h at RT. The primary antibody anti-AAV2 (intact particle) mouse recombinant, A20R, Biotin conjugate (Cat. No. 615298) was diluted in blocking buffer (antibody concentration 500 ng/ml) and incubated for 1 h at RT. For detection, streptavidin-HRP was diluted in blocking buffer and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using Pierce ECL Plus Western Blotting Substrate.



ELISA with A20R Biotin Conjugate (Cat. No. 615298) as detection antibody (1:20)