

Rev01
Update: Oct,19,2022

DATASHEET

Anti-AAV2 (intact particle) Antibody (2C4) [Biotin], mAb, Mouse

Cat. No.: A02160

Overview

Specificity	This antibody recognizes a conformational epitope of assembled AAV2 capsids. It can't recognize denatured capsid proteins and unassembled capsid proteins.
Host Species	Mouse
Immunogen	AAV2 capsids
Species Reactivity	Specie independent
Conjugate	Biotin

Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

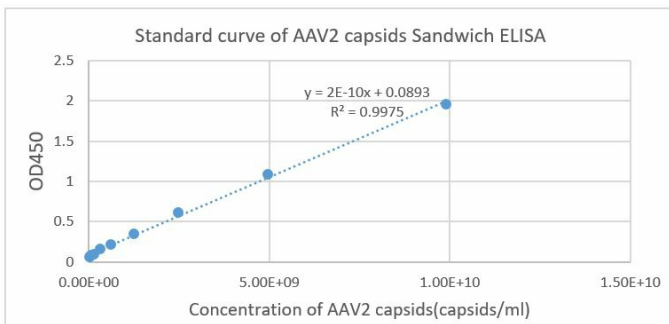
Application	Recommended Usage
ELISA	0.1-1 µg/ml

Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.2, contains 1% BSA and 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.
Storage Instructions	The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

Purification	Protein A affinity chromatography
Isotype	IgG1, k
Clonality	Monoclonal
Clone ID	2C4
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



Standard curve of AAV2 capsids Sandwich ELISA. The Sandwich ELISA assay is developed by Anti-AAV2 (intact particle) Antibody (2C4), mAb, Mouse (GenScript, A02159-40; 2 µg/ml) and Anti-AAV2 (intact particle) Antibody (2C4) [Biotin], mAb, Mouse (GenScript, A02160-40; 2 µg/ml) as the capture and detection antibody, respectively.

Background

Target Background : Adeno-associated virus type 2 (AAV2) is a valuable vector for gene therapy. It is one member of the human parvovirus family which depends on co-infection with helper viruses such as adenovirus or herpes virus for efficient reproduction. The AAV2 capsid (intact particle) comprises three types of subunits, VP1, VP2, and VP3, a total of 60 copies in a ratio of 1:1:8 (VP1:VP2:VP3). For the application of AAV2 vector in gene therapy, the determination of total capsid titer is essential, accurate characterization and quantification of purified AAV2 particle product represent a critical step for clinical application.

GenScript Anti-AAV2 (intact particle) Antibody (2C4), mAb, Mouse is produced from cell culture in vitro under conditions free from animal-derived components.

Synonyms : Adeno-associated virus serotype 2 monoclonal antibody; Mouse anti-AAV-2 intact particle monoclonal antibody

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.