

Rev04
Update: Oct,19,2022

DATASHEET

AAV2 Antibody (12C10), mAb, Mouse

Cat. No.: A02091

Overview

Specificity	The product is specific for AAV2 capsids VP1, VP2 and VP3.
Host Species	Mouse
Immunogen	AAV2
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. 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
Western Blot	1 µg/ml

Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.2, containing 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder 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 column
Isotype	Mouse IgG2c, k
Clonality	Monoclonal

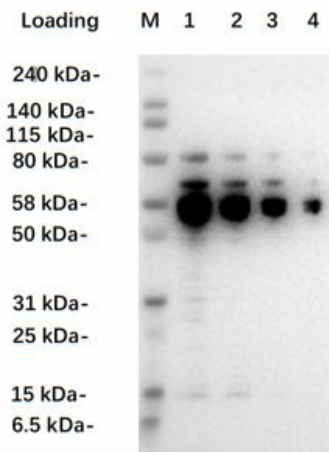
GenScript USA, Inc.

860 Centennial Ave. Piscataway, NJ 08854

Tel: 1-732-885-9188

Clone ID	12C10
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



Western Blot analysis of AAV2 Antibody (12C10), mAb, Mouse (GenScript, A02091) with different copy numbers of purified AAV2 samples.

Lane 1: 8×10^9 Copies of purified AAV2 loading amount

Lane 2: 4×10^9 Copies of purified AAV2 loading amount

Lane 3: 2×10^9 Copies of purified AAV2 loading amount

Lane 4: 8×10^8 Copies of purified AAV2 loading amount

Primary Antibody:

Lane 1-4 : AAV2 Antibody (12C10), mAb, Mouse (GenScript, A02091) 1 μ g/ml

Secondary Antibody:

Goat Anti-Mouse IgG Antibody (H&L) [HRP], pAb 0.25 μ g/ml

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. AAV2 empty capsids are composed of three proteins, VP1, VP2 and VP3 with relative molecular masses of 87, 72 and 62 kDa, respectively.

Synonyms : Adeno-associated virus serotype 2 Antibody (12C10), AAV2 Antibody

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