

# Anti-Rabies virus glycoprotein G Antibody, Mouse IgG1 (523-11) (MALS verified)

Catalog # RAG-M305



## Source

Anti-Rabies virus glycoprotein G Antibody, Mouse IgG1 (523-11) is a Mouse monoclonal antibody recombinantly expressed from HEK293 cells.

## Clone

523-11

## Species

Mouse

## Isotype

Mouse IgG1 | Mouse Kappa

## Conjugate

Unconjugated

## Antibody Type

Recombinant Monoclonal

## Reactivity

Virus

## Immunogen

Rabies virus glycoprotein G

## Specificity

This antibody specifically binds to the glycoprotein of Rabies virus.

## Application

Application	Recommended Usage
ELISA	0.1-75 ng/mL

## Purity

95% as determined by SDS-PAGE.

95% as determined by SEC-MALS.

## Purification

Protein A purified / Protein G purified

## Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4), with trehalose as protectant.

Please contact us for customized product forms or formulations.

## Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

**For best performance, we strongly recommend following the reconstitution protocol provided in the CoA.**

## Storage

For long term storage, the product should be stored in a lyophilized state at -20°C or lower.

**Please avoid repeated freeze-thaw cycles.**

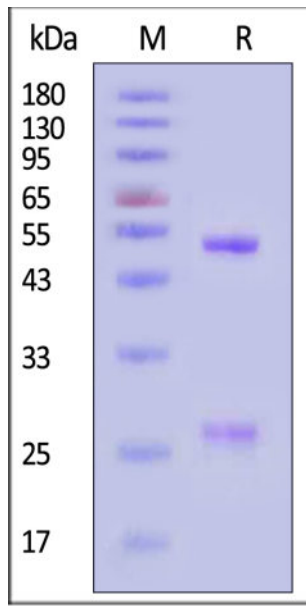
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## ACRO Quality Management System

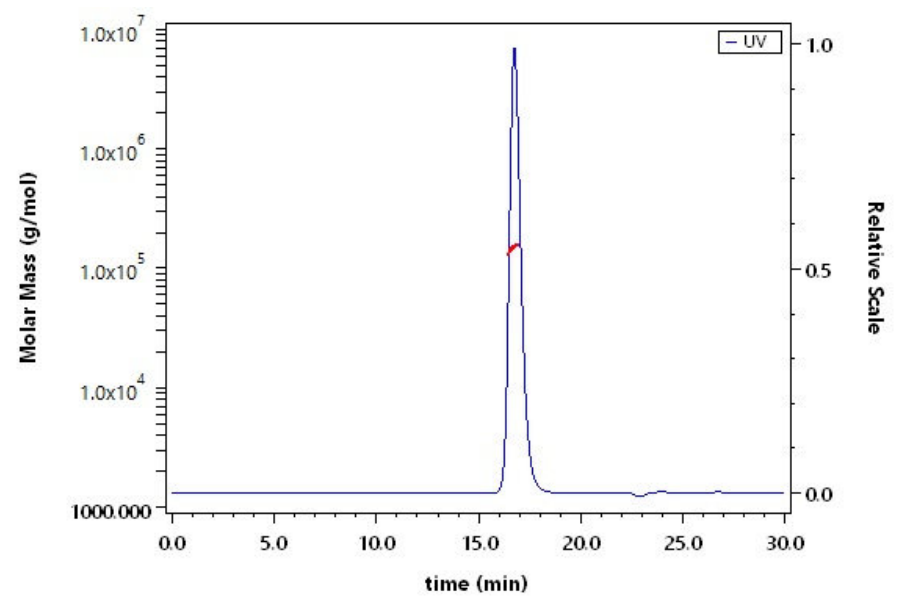
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)

## SDS-PAGE



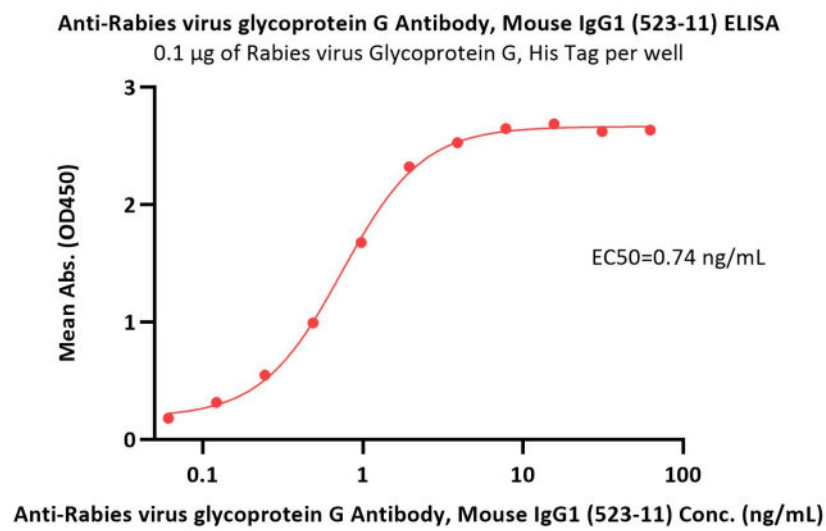
Anti-Rabies virus glycoprotein G Antibody, Mouse IgG1 (523-11) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

## SEC-MALS



The purity of Anti-Rabies virus glycoprotein G Antibody, Mouse IgG1 (523-11) (Cat. No. RAG-M305) is more than 95% and the molecular weight of this protein is around 135-160 kDa verified by SEC-MALS.

## Bioactivity-ELISA



Immobilized Rabies virus Glycoprotein, His Tag (Cat. No. RAG-V55H5) at 1 µg/mL (100 µL/well) can bind Mouse Glycoprotein G Antibody, Mouse IgG1 (523-11) (Cat. No. RAG-M305) with a linear range of 0.1-2 ng/mL (QC tested).

## Background

Rabies virus (RABV), scientific name Rabies lyssavirus, is a deadly neurotropic virus that causes rabies in humans and animals. Rabies virus has an extremely wide host range and its transmission most often occur through the saliva of animals. Without intervention prior to disease progression, rabies has the highest case fatality of any infectious disease. RABV contains a single-stranded negative-sense RNA genome that encodes five structural proteins: nucleoprotein (N), phosphoprotein (P), matrix protein (M), glycoprotein (G), and RNA-dependent RNA polymerase (L). Among these viral proteins, the RABV glycoprotein (RABV-G) is a pivotal player mediating virus entry and the major target of neutralizing antibodies, thus a key factor for vaccine and drug design.



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