500-E Wheeler Rd, Hauppauge, NY 11788
info@biovenic.com
www.biovenic.com

Rabbit Anti-Equine IgG Polyclonal Antibody-[Biotin]

Cat. No.: VD11N559

Product Type: Animal-targeted Antibodies

Size: 500 μg

Product Overview

BioVenic rabbit polyclonal antibody is specific for equine IgG. It is affinity purified by CA-AS. It can be applied to ELISA assay of equine IgG.

Specifications

Application	ELISA
Clonality	Polyclonal
Classification	Primary Antibody
Clone	J1N66
Host	Rabbit
Target Species	Equine
Species Reactivity	Equine
Specificity	Equine IgG
Isotype	IgG
Immunogen	Recombinant protein of IgG
Purification	Purified by CA-AS
Conjugation	Biotin
Buffer	0.01M Phosphate Buffered Saline, pH 7.4
Physical State	Liquid

Target Information

Equine IgG is a crucial component of the immune system in horses, with seven subclasses identified, each with distinct effector functions that have implications for vaccine strategies. These subclasses vary in their ability to interact with Fc receptors on effector cells and activate the complement system via the classical pathway. IgG1, IgG3, IgG4, and IgG7 are particularly effective in eliciting a strong respiratory burst from equine peripheral blood leukocytes and in binding complement C1q.

Target	Equine IgG

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as thi s may denature the antibody.

Reference

Lewis, Melanie J., *et al*. "The different effector function capabilities of the seven equine IgG subclasses have implications for vaccin e strategies." *Molecular immunology* 45.3 (2008): 818-827.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.