

Anti-IgNAR [V39]

Catalogue number: 153311

Sub-type:

Images:

Contributor

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Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-IgNAR [V39]

Alternate name: Small-spotted catshark IgNAR, IgNAR antibody, Nanobody, Single domain antibody

Class: Monoclonal

Conjugate: Unconjugated

Description: Sharks, and other members in Chondrichthyes, produce, apart from the expected IgM and IgW, a type of ancestral antibody referred to immunoglobulin new antigen receptor (IgNAR). IgNAR antibody is composed of only a homodimeric heavy chain which contains one variable and five constant domains for each chain. The distinct structure of IgNAR domains leads to extremely high stability. In addition, VNAR is around 10 times smaller than standard antibodies and able to continue to function and exist within very extreme conditions. These properties allow IgNAR to penetrate tissues easier in vivo to improve bioavailability for pharmaceutical applications. Anti-IgNAR antibody (V39) can be used to monitor IgNAR levels in shark following immunization

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Small-spotted catshark

Selectivity:

Host: Mouse

Immunogen: Ovalbumin-conjugated short synthetic peptide

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Western Blot, sera

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: IgNAR immunoglobulin heavy chain membrane and secretory forms

Target alternate names:

Target background: Sharks, and other members in Chondrichthyes, produce, apart from the expected IgM and IgW, a type of ancestral antibody referred to immunoglobulin new antigen receptor (IgNAR). IgNAR antibody is composed of only a homodimeric heavy chain which contains one variable and five constant domains for each chain. The distinct structure of IgNAR domains leads to extremely high stability. In addition, VNAR is around 10 times smaller than standard antibodies and able to continue to function and exist within very extreme conditions. These properties allow IgNAR to penetrate tissues easier in vivo to improve bioavailability for pharmaceutical applications. Anti-IgNAR antibody (V39) can be used to monitor IgNAR levels in shark following immunization

Molecular weight:

Ic50:

Applications

Application: ELISA ; WB

Application notes:

Handling

Format: Liquid
Concentration: 1 mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: PBS with 0.02% azide
Storage conditions: -15° C to -25° C
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References:

CancerTools.org