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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Genome polyprotein [HC33.4] Standard Size Ab04413-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Lambda

Clone Number: HC33.4

Alternative Name(s) of Target: Envelope glycoprotein E2

UniProt Accession Number of Target Protein: P27958

Published Application(s): neutralization, ELISA

Published Species Reactivity: Hepatitis C virus

Immunogen: The original antibody was raised by immunizing a transgenic mouse with HCV glycoprotein.

Specificity: This antibody is specific for a region in aa 412 to 423 of the envelope glycoprotein E2.

Application Notes: The original antibody was used for a neutralization assay on Huh7.5 cells mixed with HCVcc isolates (Keck et al., 2013; PMID:23097455, El-Diwany et al., 2017; PMID:28235087), and on Huh7.5 cells with recombinant HCV (Prentoe et al., 2016; PMID:27351277). The original antibody was used for an ELISA on wild-type and ΔHVR1 HCV E2 glycoproteins (Keck et al., 2016; PMID:26739044), on E1E2 variants with resistance to broadly neutralizing antibodies (El-Diwany et al., 2017; PMID:28235087).

Antibody First Published in: Keck et al. Cooperativity in virus neutralization by human monoclonal antibodies to two adjacent regions located at the amino terminus of hepatitis C virus E2 glycoprotein J Virol. 2013 Jan;87(1):37-51. [PMID:23097455](#)

Note on publication: The original paper defines the interplay between antibodies specific for aa 434 to 446 and for aa 412 to 423, human monoclonal antibodies (HMABs) to aa 412 to 423 were isolated, designated HC33-related HMABs (HC33 HMABs), and their interactions with other HMABs to aa 434 to 446 were characterized.

Product Form

Size:

100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.