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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Glycoprotein [523-11] Standard Size Ab04480-1.1

Isotype and Format: Mouse IgG1, Kappa

Clone Number: 523-11

Alternative Name(s) of Target: G; RABV-G

UniProt Accession Number of Target Protein: D8VEC1; P19462; O92284

Published Application(s): Blocking, crystallography, in vivo, neutralization, ELISA

Published Species Reactivity: Lyssavirus rabies

Immunogen: The original antibody was raised by immunizing a BALB/c mouse with several strains of rabies virus.

Specificity: This antibody is specific for two discontinuous epitope regions in antigenic site III.

Application Notes: The original antibody was used for an in vivo neutralization assay. In short mice were treated with this antibody either pre infection and hamsters were treated post infection. With higher doses all mice survived and all hamster receiving the antibody within 24 hours after infection survived (Dietzschold et al., 1990; PMID:2335829, Dietzschold et al., 1992; PMID:1496020, Schumacher et al., 1989; PMID:2760222). The antibody was used for an ELISA on rabies virus glycoprotein. The structure of this antibody was determined using x-ray crystallography. Further this antibody showed the ability to block syncytia formation. The antibody was also used for an in vitro neutralization assay on rabies virus and BHK-21 cells (Yang et al., 2020; PMID:32004500), and on rabies virus and NA cells (Dietzschold et al., 1992; PMID:1496020). This antibody was used for immunofluorescence on Adrab.gp recombinant virus expressing the rabies G protein (Xiang et al., 1996; PMID:8623532).

Antibody First Published in: Schumacher et al. Use of Mouse Anti-Rabies Monoclonal Antibodies in Postexposure Treatment of Rabies J Clin Invest. 1989 Sep;84(3):971-5. [PMID:2760222](#)

Note on publication: The original paper discusses the potential usefulness of a MAb cocktail for the postexposure treatment of human rabies.

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.