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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-3K11 idiotype [AI-K11B] Standard Size Ab03760-10.3

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™, Kappa

Clone Number: AI-K11B

Alternative Name(s) of Target: 3K11; anti-idiotypic monoclonal antibody 3K11; opioid receptor

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Species independent

Immunogen: The original antibody was generated by immunizing mouse with anti-morphine antibody 3K11 conjugated with KLH.

Specificity: This antibody specifically binds anti-morphine antibody 3K11. It is an idiotypic antibody which exhibits the antigenic properties of morphine, binds to opioid receptors. When used for immunization, it induces the production of antibodies that specifically recognize morphine derivatives like 6-hemisuccinyl (GSM), 3-O-carboxymethyl (KMM) and 2-p-carboxy-phenylazomethyl (FAM) esters.

Application Notes: This antibody is capable of binding to opioid receptors on T98G human glioblastoma cells. This antibody could also recognize conjugate of mAb 3K11 - horseradish peroxidase with 6-hemisuccinyl morphine ester-BSA in an ELISA. The binding affinity of this idiotype antibody to 3K11 was determined to be $K_d = 3.2$ nM. When rabbits were immunized with AI-K11B antibody, they generated antibodies that were capable of recognizing all tested derivatives of morphine (RU2745374).

Antibody First Published in: [PMID:](#)

Note on publication:

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.