SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Hepatocyte growth factor [t1E4] Standard Size Ab03839-10.3

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 IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa
Clone Number: t1E4
Alternative Name(s) of Target: HGF; HPTA; Hepatopoietin-A; Scatter factor
UniProt Accession Number of Target Protein: P14210
Published Application(s): inhibition, IP, SPR, ELISA
Published Species Reactivity: Human
Immunogen: The original antibody was generated by immunizing MRL/lpr mice with tcK2SP(Xa).
Specificity: The antibody is specific for HGF. It can bind to the two chains and to the single chain HGF. It recognizes an epitope located within the K4-SP region.
Application Notes: The specificity of the original format of the antibody for HGF was confirmed by ELISA analysis. The authors investigated if the antibody has any effect on the HGF-Met signaling. Met activation was strongly inhibited by the antibody, with an IC50 value of ~0.15 µg/ml or 0.1nM. In particular, antibody caused dose dependent reduction of the HGF-induced phosphorylation levels of Met (Tyr1234/1235), Akt (Ser473), and ERK (Thr202 and Tyr204). The inhibitory action of the antibody was further evaluated by two cell-based assays. The effect of all antibody on the HGF-induced scattering of Madin-Darby canine kidney (MDCK) cells was evaluated, and confirmed that only it could strongly suppress the scattering behavior of the cells when added at 10 µg/ml. Furthermore, the antibody was able to inhibit the HGF-stimulated migration of human liver bile duct carcinoma cells with a similar concentration dependency as the inhibition of Met phosphorylation in EHMES-1 cells. The antibody immunoprecipitated both scHGF and tcHGF. The binding affinity of the antibody toward the HGF proteins was tested by SPR.
Antibody First Published in: Umitsu et al. Probing conformational and functional states of human hepatocyte growth factor by a panel of monoclonal antibodies. Sci Rep. 2016 Sep 9;6:33149. PMID:27608665
Note on publication: The original paper describes the generation and characterization of the antibody.

Product Form

Size: 100 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
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.