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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-IFNAR-1 [64G12] Bulk Size Ab03963-10.3-BT

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: 64G12

Alternative Name(s) of Target: IFN alpha receptor-1; Interferon alpha/beta receptor 2; IFN-R-2; IFN-alpha binding protein; IFN-alpha/beta receptor 2; Interferon alpha binding protein; Type I interferon receptor 2

UniProt Accession Number of Target Protein: P48551

Published Application(s): Blocking, inhibition

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing mice with recombinant soluble interferon.

Specificity: The antibody is specific for human IFNAR-1. The epitope to which the antibody binds was found to include the peptide: CNFSSLKLNVE. This peptide is present in subdomain 1 of the extracellular portion of IFNAR1.

Application Notes: The antibody was able to inhibit the binding of labelled IFN to Daudi cells, K562 cell, HL60 cells and Ly28 cells in a dose-dependent manner. The antibody showed a dose dependent inhibition of the antiviral activity of the various subtypes of type I IFN. Further, in an antiviral assay with the Wish cells, the original antibody was demonstrated to block completely the antiviral activity of Leukocyte IFN, recombinant IFN alpha 2 and interferon from the sera of AIDS patients. The original antibody demonstrated a dose-dependent inhibition of the antiproliferative activity of interferon alpha 2 (US5919453A). The antibody was reported to bind IFNAR-1 with high affinity ($KD=1.2 \times 10^{-9}$ M). The chimeric and humanized versions of the antibody were constructed (KR1020060011968A).

Antibody First Published in: PMID:

Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.