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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-CD47 [105D11] Bulk Size Ab03948-10.3-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: 105D11

Alternative Name(s) of Target: IAP; MER6; OV-3; Leukocyte surface antigen CD47; Antigenic surface determinant protein OA3; Integrin-associated protein; Protein MER6; ovarian cancer marker

UniProt Accession Number of Target Protein: Q08722

Published Application(s): Block, ELISA, FC

Published Species Reactivity: Human, Cynomolgus Monkey

Immunogen: The original antibody was generated by immunizing BALB/c mice with recombinant human CD47-mFc fusion protein.

Specificity: This antibody binds the extracellular domain of the human CD47 and cross reacts with cynomolgus monkey CD47. CD47 is broadly distributed on normal adult tissues, as well as ovarian tumors, and is especially abundant in some epithelia and the brain. IAP or integrin associated protein has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It further plays an important role in memory formation and synaptic plasticity in the hippocampus. It also acts as a receptor for SIRPA. Binding to SIRPA prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells.

Application Notes: The binding characterization of this antibody to recombinant human Cd47-mFc fusion protein was done using ELISA. This antibody could also bind human and cynomolgus monkey CD47 expressed on the surface of cells in a flow cytometric assay. This antibody was also reported to block the binding between SIRPα-hFc protein and human CD47 expressed on the cell surface (CN110724672).

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.