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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-CD98 [8-34B] Standard Size Ab03833-10.3

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: 8-34B

Alternative Name(s) of Target: LAT1; E16; MPE16; SLC7A5

UniProt Accession Number of Target Protein: Q01650

Published Application(s): FACS, in vivo, inhibition, SPR, IHC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing male 129S6/SvEv mice with human CD98 (huCD98)-expressing tumor cells.

Specificity: The antibody is specific for CD98.

Application Notes: The murine version of the antibody inhibited tumor growth in Ramos xenografts and AML (OCI-AML-3) xenografts. Further, the chimeric version of the antibody was tested, confirming that also this version of the antibody could inhibit in vivo tumor growth with efficacy comparable to their parental counterparts. The antibody showed positive staining in 10/15 malignant melanomas and 4/18 lung cancers. In addition, the antibody gave positive staining in 6 of 6 frozen lung cancer samples and 2 of 2 frozen melanoma samples. Binding affinities of the murine and chimeric version of the antibody were determined using FACS analysis (Kd values between 0.9 nM and 4.5 nM). The chimeric antibody was also subjected to FACS analysis using three AML primary tumor samples and one cell line expressing cynomolgus monkey CD98 (cynCD98). The results demonstrated that the chimeric retained binding to human CD98 on AML cells and on cynCD98. The binding affinity of the murine, chimeric and humanized version of the antibody to CD98 was measured by surface plasmon resonance (JP2015501639A5).

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.