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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-ALCAM [035-234] Standard Size Ab04134-10.3

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

Isotype and Format: Human IgG1, Fc Silent™, Lambda

Clone Number: 035-234

Alternative Name(s) of Target: CD166; CD166 antigen; Activated leukocyte cell adhesion molecule

UniProt Accession Number of Target Protein: Q13740

Published Application(s): ADCC, FACS

Published Species Reactivity: Human

Immunogen: The original antibody was isolated by panning a phage display library against ALCAM.

Specificity: The antibody is specific for ALCAM. ALCAM (Activated leukocyte cell adhesion molecule) is a transmembrane protein, which has a molecular weight of 100 to 105 kDa and is composed of five extracellular Ig-like domains and the intracellular terminus having 32 amino acid, and short transmembrane region. It is an immunoglobulin superfamily molecule including ten N-glycosylation sites. ALCAM is one of the adhesive molecules, is present on the activated leukocyte and is identified as a ligand molecule to CD6 molecule (which functions as a signal receptor in T cells). ALCAM also functions as an adhesion factor in homophilic (ALCAM-ALCAM) or heterophilic (ALCAM-CD6) interaction.

Application Notes: The antibody exhibited ADCC activity on cancer cells expressing ALCAM, such as CW2 and NCI-H441 cells. The IgG1 format of the antibody could detect ALCAM in different cancer lines (040520IT, CHOK1SV, HepG2, HLF, Caki-1, CCFRC1, ACHN, 293T, PC14, SKOV3, BT474) by FACS (US9388249B2).

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.