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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-DLL3 [SC16.13] Standard Size Ab03573-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

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

Clone Number: SC16.13

Alternative Name(s) of Target: Delta-like protein 3; Drosophila Delta homolog 3 (Delta3)

UniProt Accession Number of Target Protein: Q9NYJ7

Published Application(s): functional assay, ELISA, FC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing three strains of mice (Balb/c, CD-1 and FVB) with recombinant human DLL3-Fc or with human DLL3-His fusion constructs.

Specificity: This antibody binds human DLL3 in the EGF2 domain. It does not cross-react with monkey/mouse/rat DLL3. Delta-like protein 3 (DLL3) is a transmembrane protein that belongs to the Delta/Serrate/Lag-2 (DSL) family of Notch ligands. Mature human DLL3 consists of a 466 amino acid (aa) extracellular domain (ECD) with one DSL domain and six EGF-like repeats, a 21 aa transmembrane segment, and a 105 aa cytoplasmic domain. It is an inhibitory Notch ligand that is highly expressed in small cell lung cancer (SCLC) and other neuroendocrine tumors but minimally expressed in normal tissues. It is therefore being explored as a potential therapeutic target in SCLC.

Application Notes: The binding characterization of this antibody to human DLL3 was done using ELISA. Binding affinity of mouse IgG antibody for human DLL3 is 0.3 nM. This antibody can bind human DLL3 expressed on surface of 293 cells via flow cytometry. This antibody can mediate killing of tumor cells expressing DLL3. This antibody was covalently conjugated to PBD cytotoxic agent and the resulting ADCs resulted in tumor growth suppression lasting as long as 20 days. Humanized version is also available and drug conjugations made using the humanized versions also resulted in tumor suppression (US9089615).

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.