

Anti-B7-H3 [MJ18] Standard Size Ab00884-2.3

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 mouse antibody was made using the variable domain sequences of the original Rat IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, [Fc Silent™](#), Kappa

Clone Number: MJ18

Alternative Name(s) of Target: CD276; B7H3

UniProt Accession Number of Target Protein: Q8VE98

Published Application(s): Block, FC

Published Species Reactivity: Mouse

Immunogen: This antibody was generated by immunizing Sprague Dawley rats with B7-H3-Ig, consisting of the extracellular domain (aa1-242 of mouse B7-H3) linked to the Fc portion of mouse IgG2a, emulsified in CFA (Difco). The antibody was selected by its reactivity to mouse B7-H3-transfected cells, but not to parental cells by flow cytometry.

Specificity: This antibody binds to mouse B7-H3 and does not react with other B7-family molecules.

Application Notes: This antibody has been used to detect murine B7-H3 by flow cytometry. It blocks B7-H3 signalling and can suppress priming of Th2-responses and thereby the development of asthmatic responses in an ovalbumin-induced asthma model in BALB/c mice.

Antibody First Published in: Nagashima et al. B7-H3 contributes to the development of pathogenic Th2 cells in a murine model of asthma. J Immunol. 2008 Sep 15;181(6):4062-71 [PMID:18768862](#)

Note on publication: Describes the generation and initial characterisation of this antibody.

Product Form

Size: 200 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.