

Anti-14G2a [4B5] Standard Size Ab02667-10.0

Isotype and Format: Human IgG1, Lambda

Clone Number: 4B5

Alternative Name(s) of Target: antibody 14G2a; ganglioside; ganglioside 2a

UniProt Accession Number of Target Protein:

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

Published Species Reactivity: Mouse

Immunogen: The original human version of this antibody was generated by treating humans with the 14G2a antibody then MNCs were harvested and hybridized with the murine myeloma cell line P3X.Ag8.653.

Specificity: This antibody is specific for 14G2a. 14G2a is a mouse IgG2a antibody specific for human GD2.

Application Notes: To determine the functionality of the mouse version of this antibody, an ELISA was performed to test if this antibody was able to bind to antigen 14G2A. Furthermore, the antibody was also tested in a western blot on antigen 14G2A (EP1000082A2). A radioimmunoassay was performed to screen for anti-14G2a activity of the human version of this antibody. To assess the ability of the human version of this antibody to mediate a cellular immune response. Rabbits were immunized with 4B5. Then, irradiated Mel-21 cells were implanted. The result was induration at the site of the irradiated cells (Saleh et al., 1993; PMID: 8376782).

Antibody First Published in: Saleh et al. Generation of a human anti-idiotypic antibody that mimics the GD2 antigen J Immunol. 1993 Sep 15;151(6):3390-8. [PMID:8376782](#)

Note on publication: Four human anti-14G2a secreting hybridomas were generated and the mAb product of one of the hybridomas was characterized.

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.