

Anti-CD32b [NOV0281] Standard Size Ab03965-10.29

This is a Fab fragment with His tag.

Isotype and Format: Human Fab fragment, His-Tagged, Lambda

Clone Number: NOV0281

Alternative Name(s) of Target: CD32; Low affinity immunoglobulin gamma Fc region receptor II-b; IgG Fc receptor II-b; CDw32; Fc-gamma RII-b; Fc-gamma-RIIb; FcRII-b; human FCGR2B

UniProt Accession Number of Target Protein: P31994

Published Application(s): in vitro, ELISA, FC

Published Species Reactivity: Human

Immunogen: The original antibody was isolated from a human combinatorial antibody library by panning against biotinylated human CD32b.

Specificity: The antibody specifically binds to CD32b. The antibody mainly recognizes epitope I (i.e., the Fc binding domain area). The antibody does not cross reacts with human CD32a-R.

Application Notes: The specificity of the antibody for CD32b was determined by ELISA analysis. The antibody was able to bind to CD32b expressed on human B cells by flow cytometry analysis (binding affinity 5.4 nM). The binding of the antibody to the BJAB cell line was evaluated by flow cytometry (binding affinity 2.4 nM). The antibody bound to CHO cells expressing huCD32b in flow cytometry analysis. The human IgG1 format of the antibody was evaluated for its activity in a primary NK cell based antibody-dependent cell-mediated cytotoxicity (ADCC) assay. The antibody demonstrated concentration dependent specific cell lysis of both cancer cell lines evaluated (Jeko-1 and Karpas422 Cancer Cell) (US20170198040A1).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 100 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.