

Anti-LeY [BR96] Standard Size Ab00492-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG3 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: BR96

Alternative Name(s) of Target: Lewis Y

UniProt Accession Number of Target Protein:

Published Application(s): ELISA, IHC

Published Species Reactivity: Human

Immunogen: H3396 cultured line established from a metastasis of a human breast adenocarcinoma.

Specificity: The antibody binds Le(Y) with a K_a of 0.1 µM.

Application Notes: The antibody binds specifically to LeY tetrasaccharide, a carbohydrate antigen expressed at the cell surface of selective carcinomas, including those of the colon, breast, ovary and lung. Studies have shown that the monoclonal antibody has toxic effects to antigen-positive tumour cells, performing ADCC at concentrations down to 0.1 µg/ml. The antibody B396 was also shown to perform complement-dependent cytotoxicity at concentrations of 0.1-5.0 µg/ml in certain carcinoma cell lines. The monoclonal antibody also has the ability to be internalised by antigen-positive tumour cells, and can thereby be used to deliver anti-cancer drugs to the specific tumour cells.

Antibody First Published in: Hellström I, Garrigues HJ, Garrigues U, Hellström KE. Highly tumor-reactive, internalizing, mouse monoclonal antibodies to Le(y)-related cell surface antigens. Cancer Res. 1990 Apr 1;50(7):2183-90. [PMID:1690595](#)

Note on publication: Describes the generation of two monoclonal antibodies, BR64 and BR69, which are selective for cell surface antigens present in certain carcinomas. The antibodies are internalised by antigen-positive tumour cells.

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.