

## Product datasheet for **TA385986**

### LeY Mouse Monoclonal Antibody [Clone ID: BR96]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BR96
Applications:	ELISA, IHC
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
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 $\mu$ M.

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  $\mu$ g/ml. The antibody B396 was also shown to perform complement-dependent cytotoxicity at concentrations of 0.1-5.0  $\mu$ g/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.

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Note:	This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG3 format, for improved compatibility with existing reagents, assays and techniques.



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