



# Mouse Anti-Trastuzumab monoclonal antibody, clone BZ2 (CABT-L0368Y)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Recognizes Trastuzumab specifically, no cross reactivity with other humanized antibodies. Recommended for PK/PD assays
<b>Specificity</b>	Recognizes Trastuzumab specifically, no cross reactivity with other humanized antibodies.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	N/A
<b>Clone</b>	BZ2
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for PK/PD bridging ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Preparation</b>	Expressed from human 293 cells (HEK293).
<b>Format</b>	Purified, Lyophilized
<b>Size</b>	100 ug
<b>Buffer</b>	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.
<b>Preservative</b>	None

**Storage**

This product is stable -70°C for 12 months under sterile conditions after reconstitution.

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## BACKGROUND

**Introduction**

Trastuzumab, is a monoclonal antibody used to treat breast cancer. Specifically it is used for breast cancer that is HER2 receptor positive. Trastuzumab works by binding to the HER2 receptor and slowing down cell duplication. Trastuzumab is a recombinant IgG1 kappa, humanized monoclonal antibody that selectively binds with high affinity in a cell-based assay ( $K_d = 5 \text{ nM}$ ) to the extracellular domain of the human epidermal growth factor receptor protein.

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**Keywords**

Trastuzumab; HER2; HER2 receptor

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