



[Go to Product page](#)

Datasheet for ABIN7200659

Recombinant anti-ErbB2/Her2 (Trastuzumab Biosimilar) antibody

Overview

Quantity:	1 mg
Target:	ErbB2/Her2 (Trastuzumab Biosimilar)
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This ErbB2/Her2 (Trastuzumab Biosimilar) antibody is un-conjugated
Application:	Flow Cytometry (FACS), In vivo Studies (in vivo)

Product Details

Purpose:	Trastuzumab Biosimilar, HER2 Monoclonal Antibody
Immunogen:	The monoclonal antibody trastuzumab biosimilar was produced in the trastuzumab biosimilar CHO stable cell line.
Clone:	4D5-8
Isotype:	IgG1 kappa
Specificity:	The monoclonal antibody trastuzumab biosimilar specifically binds to the human HER2 / ErbB-2 / c-neu.
Characteristics:	Recombinant Humanized IgG1 Monoclonal Antibody.
Purification:	Protein A affinity column
Purity:	> 95% by SDS-PAGE under reducing conditions and HPLC.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	< 1 EU per 1 mg of the protein by the LAL method.

Target Details

Target:	ErbB2/Her2 (Trastuzumab Biosimilar)
Abstract:	ErbB2/Her2 (Trastuzumab Biosimilar) Products
Target Type:	Biosimilar
Background:	<p>Trastuzumab, a humanized monoclonal antibody, interferes with the HER2/neu receptor and is mainly used to treat certain breast cancers, especially HER2-positive metastatic breast cancer. Combined with chemotherapy, trastuzumab increases both survival and response rate.</p> <p>There are four closely related receptor tyrosine kinases in the ErbB family of receptors: EGFR (ErbB-1; HER1 in humans), HER2/c-neu (ErbB-2), Her 3 (ErbB-3) and Her 4 (ErbB-4). Bound by members of the epidermal growth factor family (EGF-family) of extracellular protein ligands, the HER receptors embedded in the cell membrane promote cell growth and division by turning genes on and off. The HER2 pathway stimulates cell proliferation if it normally functions; when HER2 is overexpressed, cell growth accelerates beyond its normal limits, which happens in some cancers, notably certain types of breast cancer.</p>

Application Details

Application Notes:	ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by trastuzumab.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	21.2 mg/mL
Buffer:	PBS, pH 7.4, no stabilizers or preservatives.
Preservative:	Without preservative
Handling Advice:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.

Expiry Date: 12 months