

Humanized anti-Human Ado-trastuzumab emtansine Monoclonal Antibody | anti-HER2 antibody

Ado-trastuzumab emtansine Biosimilar - Research Grade

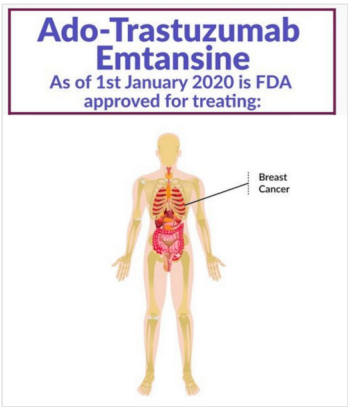
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197048	Humanized	Human	Functional Assay

PRODUCT SYNONYMS

Ado-trastuzumab emtansine; Monoclonal Antibody; Ado-trastuzumab emtansine Biosimilar - Research Grade; Receptor tyrosine-protein kinase erbB-2; MLN 19; HER2; HER2/neu; anti-HER2 antibody

PRODUCT SPECIFICATIONS

Host	Humanized
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	Detects human HER2
Purity/Purification	>95% by SDS-PAGE and HPLC This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.
Form/Format	Sterile, colorless liquid without preservatives, containing polysorbate 20, sodium succinate, sucrose, pH 5.0. BSA and Azide free.
Concentration	1.0-5.0mg/ml (varies by lot)
Applicable Applications for anti-HER2 antibody	FA (Functional Assay)
Endotoxin	≤ 0.75 EU/mg as determined by the LAL method
Isotype Control	Bulk Human IgG1 Isotype Control (IB1) []
Preparation and Storage	This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at – 20°C or -80°C. Avoid repeated freeze thaw cycles.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-HER2 antibody	Ado-trastuzumab emtansine is a HER2-targeted antibody-drug conjugate which contains the humanized anti-HER2 IgG1, trastuzumab, covalently linked to the microtubule inhibitory drug DM1 via the stable thioether linker MCC. Trastuzumab is produced by Chinese hamster ovary cells, and DM1-MCC are produced by chemical synthesis. Ado-trastuzumab emtansine contains an average of 3.5 DM1 molecules per antibody.
Product Categories/Family for anti-HER2 antibody	Low endotoxin; biosimilar antibody; ADC

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792098
NCBI GeneID	2064
NCBI Accession #	NP_001005862.1
NCBI GenBank Nucleotide #	NM_001005862.1
UniProt Accession #	P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-2 isoform b
NCBI Official Synonym Full Names	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
NCBI Official Symbol	ERBB2
NCBI Official Synonym Symbols	NEU; NGL; HER2; TKR1; CD340; HER-2; MLN 19; HER-2/neu
NCBI Protein Information	receptor tyrosine-protein kinase erbB-2; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-oncogene c-ErbB-2; metastatic lymph node gene 19 protein; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived on
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-2
UniProt Gene Name	ERBB2
UniProt Synonym Gene Names	HER2; MLN19; NEU; NGL; MLN 19
UniProt Entry Name	ERBB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.