

## PRODUCT INFORMATION

<b>Target</b>	HER3
<b>Description</b>	Monoclonal Cell Line Derived from Jurkat Cells, Engineered for Stable Expression of Human HER3 Using Lentiviral Technology
<b>Host Cells</b>	Jurkat
<b>Uniprot ID</b>	P21860
<b>Applications</b>	FACS Data
<b>Growth media</b>	RPMI-1640+10% FBS+1% P.S+1% Gln+2 ug/mL Puromycin
<b>Package</b>	5E6 Cells/mL
<b>Host Species</b>	Human
<b>Suggested Control</b>	SKU: BME100244
<b>Warranty and Disclaimer</b>	1. Please inspect cells upon receipt and report any issues promptly. 2. We offer one-time replacements for issues reported within a week of receipt. 3. User-induced issues are not eligible for free replacements. 4. We do not accept liability for damages resulting from cell use, storage, or loss. 5. Feedback received more than one month after receipt will not be processed.
<b>Storage &amp; Shipping</b>	Cells are shipped using dry ice and require liquid nitrogen storage for long term preservation.
<b>Synonyms</b>	HER3; ERBB3
<b>Background</b>	This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However; it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and/or overexpression of its protein have been reported in numerous cancers; including prostate; bladder; and breast tumors. Alternate transcriptional splice variants encoding different isoforms have been characterized. One isoform lacks the intermembrane region and is secreted outside the cell. This form acts to modulate the activity of the membrane-bound form. Additional splice variants have also been reported; but they have not been thoroughly characterized.
<b>Usage</b>	For research use only.



### Hu\_HER3 Jurkat Cell Line

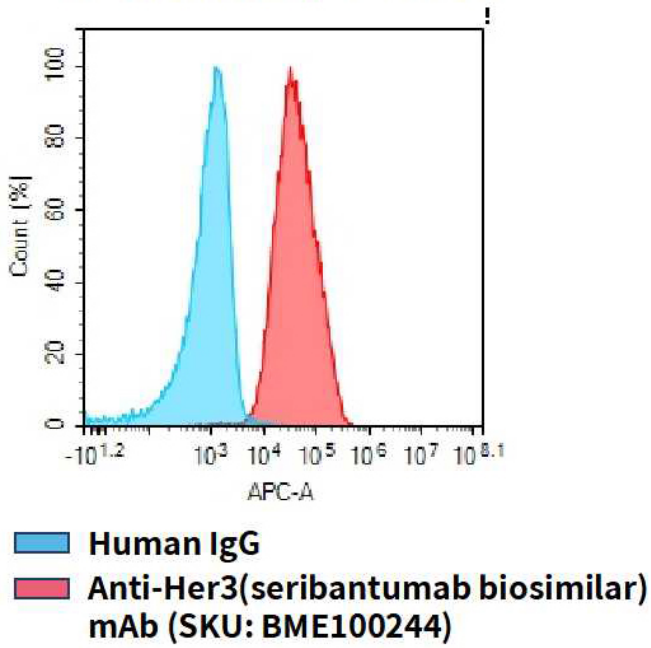


Figure 1. Flow cytometry analysis of human HER3 overexpression using Hu\_HER3 Jurkat Cell Line (Cat. No. CEL100032) and Anti-Her3(seribantumab biosimilar) mAb (Cat. No. BME100244)

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