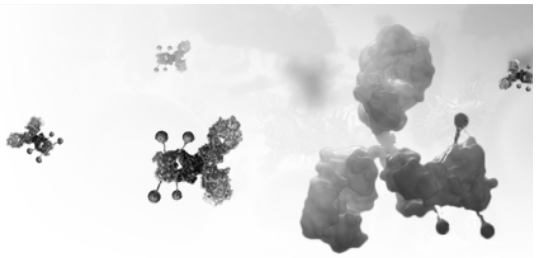

Rhesus HER2, ErbB3 [Fc] (DAG-H10333)

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

PRODUCT INFORMATION

Species	Rhesus
Purity	> 90 % as determined by SDS-PAGE
Conjugate	Fc
Applications	1. Measured by its ability to human NRG1 (aa 20-241) in functional Elisa. 2. Measured by its ability to human NRG1 (aa 177-241) in functional Elisa. 3. Measured by its ability to human NRG1 (aa 20-241)-His in functional Elisa.
Size	50 µg, 100 µg
Preservative	None
Storage	Store it under sterile conditions at -70 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction	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. [provided by RefSeq, Jul 2008]

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Keywords	ERBB3; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3; HER3; LCCS2; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; c-erbB-3; p180-ErbB3; p45-sErbB3; p85-sErbB3; receptor tyrosine-protein kinase erbB-3; proto-oncogene-like protein c-ErbB-3; tyrosine kinase-type cell surface receptor HER3;

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