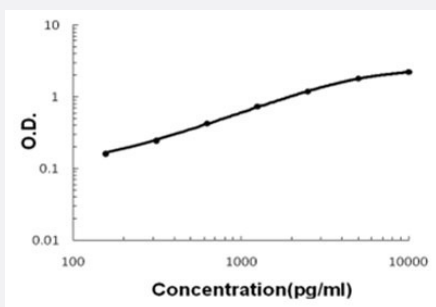


ERBB3 (Human) ELISA Kit

Catalog # KA6228

Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	ERBB3 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for the quantitative measurement of human ERBB3 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA).
Suitable Sample	Cell Culture Supernatants, Cell Lysates, Plasma (EDTA, Heparin) and Serum.
Sample Volume	100 μ L
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10000 pg/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

- Quantification

Gene Info — ERBB3

Entrez GeneID	2065
Protein Accession#	P21860
Gene Name	ERBB3
Gene Alias	ErbB-3, HER3, LCCS2, MDA-BF-1, MGC88033, c-erbB-3, c-erbB3, erbB3-S, p180-ErbB3, p45-sErbB3, p85-sErbB3
Gene Description	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)
Omim ID	190151 607598
Gene Ontology	Hyperlink
Gene Summary	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. Alternative 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]
Other Designations	erbB-3 lethal congenital contracture syndrome 2 v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3

Pathway

- [Calcium signaling pathway](#)
- [Endocytosis](#)
- [ErbB signaling pathway](#)

Disease

- [Addison Disease](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Bipolar Disorder](#)
- [Brain Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Hypertension](#)
- [Multiple Sclerosis](#)
- [Ovarian Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Schizophrenia](#)
- [Thyroid Diseases](#)