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Product datasheet

Human ErbB3 / HER3 ELISA Kit ab100511

1 References　画像数 2

製品の概要

製品名	Human ErbB3 / HER3 ELISA Kit
検出方法	Colorimetric
サンプルの種類	Cell culture supernatant, Serum, Plasma
アッセイタイプ	Sandwich (quantitative)
検出感度	< 4 pg/ml
検出範囲	3.43 pg/ml - 2500 pg/ml
添加回収試験	> 90 %

特定サンプルでの回収試験

サンプルの種類	平均 %	測定範囲
Cell culture supernatant	100.1	78% - 113%
Serum	95.12	79% - 111%
Plasma	88.87	71% - 106%

ステップ	Multiple steps standard assay
種交差性	**交差種:** Human
製品の概要	Abcam's ErbB3 (Epidermal Factor Growth Factor Receptor 3) Human ELISA (Enzyme-Linked Immunosorbent Assay) kit is an *in vitro* enzyme-linked immunosorbent assay for the quantitative measurement of human ErbB3 in serum, plasma, and cell culture supernatants. This assay employs an antibody specific for human ErbB3 coated on a 96-well plate. Standards and samples are pipetted into the wells and ErbB3 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-human ErbB3 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of ErbB3 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
特記事項	Optimisation may be required with urine samples.
試験プラットフォーム	Microplate

製品の特性

保存方法 Store at -20°C. Please refer to protocols.

内容	1 x 96 tests
200X HRP-Streptavidin Concentrate	1 x 200µl
20X Wash Buffer	1 x 25ml
5X Assay Diluent B	1 x 15ml
Assay Diluent A	1 x 30ml
Biotinylated anti-Human ErbB3	2 vials
ErbB3 Microplate (12 x 8 wells)	1 unit
Recombinant Human ErbB3 Standard (lyophilized)	2 vials
Stop Solution	1 x 8ml
TMB One-Step Substrate Reagent	1 x 12ml

機能 Binds and is activated by neuregulins and NTAK.

組織特異性 Epithelial tissues and brain.

関連疾患 Defects in ERBB3 are the cause of lethal congenital contracture syndrome type 2 (LCCS2) [MIM:607598]; also called Israeli Bedouin multiple contracture syndrome type A. LCCS2 is an autosomal recessive neurogenic form of a neonatally lethal arthrogryposis that is associated with atrophy of the anterior horn of the spinal cord. The LCCS2 syndrome is characterized by multiple joint contractures, anterior horn atrophy in the spinal cord, and a unique feature of a markedly distended urinary bladder. The phenotype suggests a spinal cord neuropathic etiology.

配列類似性 Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily. Contains 1 protein kinase domain.

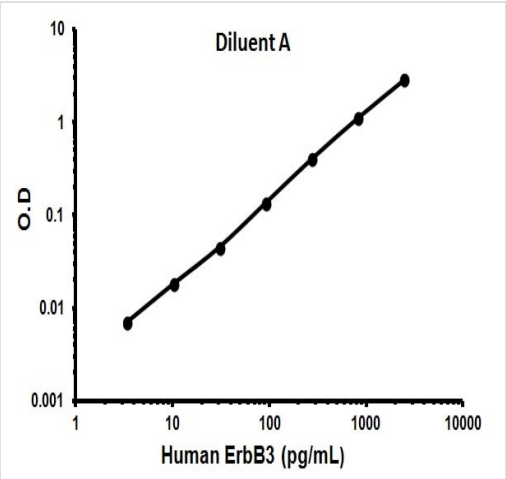
発生段階 Overexpressed in a subset of human mammary tumors.

ドメイン The cytoplasmic part of the receptor may interact with the SH2 or SH3 domains of many signal-transducing proteins.

翻訳後修飾 Ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase.

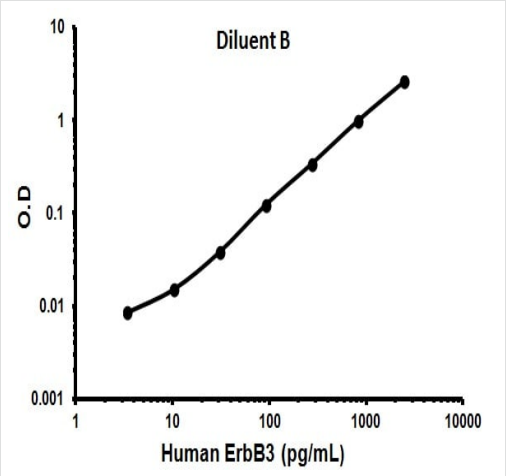
細胞内局在 Secreted and Cell membrane.

画像



TYPICAL STANDARD CURVE - Assay Diluent A

TYPICAL STANDARD CURVE - Assay Diluent A – Data provided for demonstration purposes only. A new standard curve must be generated for each assay performed.



TYPICAL STANDARD CURVE - Assay Dilent B

TYPICAL STANDARD CURVE - Assay Dilent B – Data provided for demonstration purposes only. A new standard curve must be generated for each assay performed.

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