

Mouse HER3/ErbB3 ELISA Kit | HER3/ErbB3 elisa kit

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CATALOG #
AAA258492

REACTIVITY
Mouse

PRODUCT SYNONYMS

HER3/ErbB3; Mouse HER3/ErbB3 ELISA Kit; HER3/ERBB3 ELISA Kit; Mouse; erb-b2 receptor tyrosine kinase 3; C76256 ELISA Kit; Erbb-3 ELISA Kit; Erbb-3r ELISA Kit; Erbb3 ELISA Kit; Erbb3r ELISA Kit; Her3 ELISA Kit; HER3/ErbB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	For the quantitative determination of Mouse HER3/ErbB3 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	39-2500pg/mL
Sensitivity	28pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

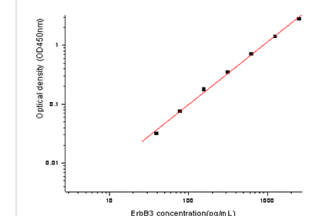
IMAGES

Recombinant human			
SYK	EGFR	PA2G4	MUC1
MYOC	ErbB2	ErbB4	NRG1

Application Data

This assay recognizes both recombinant and natural mouse ErbB3. The factors listed above were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. A sample containing 50ng/mL of recombinant human ErbB3 reads as 0.7ng/mL (1.4% cross-reactivity). A sample containing 50ng/mL of recombinant rat ErbB3 reads as 3.8ng/mL (7.5% cross-reactivity). A sample containing 50ng/mL of recombinant Cynomolgus ErbB3 reads as 0.1ng/mL (0.2% cross-reactivity).

Concentration (pg/mL)	Zero standard subtracted OD
0	0
39.06	0.032
78.13	0.076
156.25	0.179
312.5	0.354
625	0.715
1250	1.422
2500	2.801



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for HER3/ErbB3 elisa kit	This HER3/ERBB3 ELISA Kit, Mouse is an enzyme-linked immunosorbent assay for the quantitative measurement of Mouse HER3/ERBB3 protein in Serum. It contains recombinant Mouse HER3/ERBB3, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: ErbB3, also known as Her3(human epidermal growth factor receptor3), is a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound glycoprotein has a neuregulin binding domain but has not an active kinase domain., and therefore can not mediate the intracellular signal transduction through protein phosphorylation. However, its heterodimer with ErbB2 or other EGFR members responsible for tyrosine phosphorylation forms a receptor complex with high affinity, and initiates the related pathway which lead to cell proliferation or differentiation. ErbB3 has been shown to implicated in numerous cancers, including prostate, bladder, and breast tumors. This protein has different isoforms derived from alternative splicing variants, and among which, the secreted isoform lacking the intermembrane region modulates the activity of membrane-bound form.
References	Kraus M.H., et al., (1989), Isolation and characterization of ERBB3, a third member of the ERBB/epidermal growth factor receptor family: evidence for overexpression in a subset of human mammary tumors. Proc. Natl. Acad. Sci. U.S.A. 86:9193-9197. Plowman G.D., et al., (1990), Molecular cloning and expression of an additional epidermal growth factor receptor-related gene.Proc. Natl. Acad. Sci. U.S.A. 87:4905-4909. Katoh M., et al., (1993), c-erbB3 gene encodes secreted as well as transmembrane receptor tyrosine kinase.Biochem. Biophys. Res. Commun. 192:1189-1197.

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/her3-erb3/258492>