

## Product datasheet

# Anti-ErbB 3 antibody [DY-7G2] ab91218

1 Image

### Overview

<b>Product name</b>	Anti-ErbB 3 antibody [DY-7G2]
<b>Description</b>	Mouse monoclonal [DY-7G2] to ErbB 3
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, Competitive ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Native Human protein expressed in mammalian cells
<b>Positive control</b>	BOSC23 transfected cells

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: PBS, pH 7.2
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	DY-7G2
<b>Isotype</b>	IgG1

### Applications

Our [Abpromise guarantee](#) covers the use of **ab91218** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

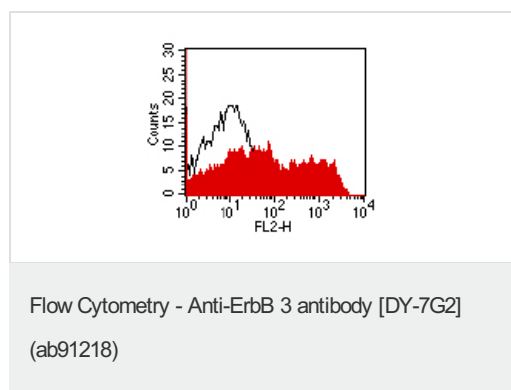
Application	Abreviews	Notes
Flow Cyt		Use 1.2µg for 10 <sup>6</sup> cells. <a href="#">ab170190</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Application	Abreviews	Notes
Competitive ELISA		1/200 - 1/400.

## Target

<b>Function</b>	Binds and is activated by neuregulins and NTAK.
<b>Tissue specificity</b>	Epithelial tissues and brain.
<b>Involvement in disease</b>	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 arthrogyrosis 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.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily. Contains 1 protein kinase domain.
<b>Developmental stage</b>	Overexpressed in a subset of human mammary tumors.
<b>Domain</b>	The cytoplasmic part of the receptor may interact with the SH2 or SH3 domains of many signal-transducing proteins.
<b>Post-translational modifications</b>	Ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase.
<b>Cellular localization</b>	Secreted and Cell membrane.

## Images



ab91218 at 1.2 $\mu$ g/10<sup>6</sup> cells staining ErbB 3 in BOSC23 cells transiently transfected with ErbB 3 (red) or a control protein (black). A PE-conjugated secondary antibody was used.

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