

Datasheet: MCA1410

BATCH NUMBER 175120

Description:	MOUSE ANTI HUMAN ErbB3
Specificity:	ErbB3
Other names:	HER3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	SGP1
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen (1)	▪			
Immunohistology - Paraffin		▪		
ELISA	▪			
Immunoprecipitation	▪			
Western Blotting		▪		

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% sodium azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Wheat germ lectin purified ErbB3 protein
External Database Links	UniProt: P21860 Related reagents Entrez Gene: 2065 ERBB3 Related reagents
Synonyms	HER3
RRID	AB_321202
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS0 myeloma cell line.
Specificity	Mouse anti Human ErbB3 antibody, clone SGP1 recognizes human Receptor tyrosine-protein kinase erbB-3, also known as Proto-oncogene-like protein c-ErbB-3 or Tyrosine kinase-type cell surface receptor HER3. ErbB3 is a 1342 amino acid ~180 kDa glycoprotein containing a single protein kinase domain. Five isoforms of Erb-B3 are generated by alternative splicing. Mouse anti Human ErbB3 antibody, clone SGP1 recognizes a conformation dependent epitope on the extracellular protein core of ErbB3 rather than a carbohydrate moiety created during post-translational modification. ErbB3 is expressed widely in normal human tissues, but is over expressed in some tumours, including those of the breast, stomach, pancreas and colon (Lemoine <i>et al.</i> 1992). Mutations in the ERBB3 gene can lead to development of Lethal congenital contractural syndrome type 2, associated with atrophy of the spinal cord (Narkis <i>et al.</i> 2007).
References	1. Rajkumar, T. <i>et al.</i> (1995) c-erbB3 expression in breast tumour derived cell lines The Breast. 4 (2): 84-91.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1410
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M409517:221019'

Printed on 21 Oct 2026