

Datasheet: MCA3161Z

Description:	MOUSE ANTI HUMAN HEMOGLOBIN SUBUNIT ZETA:Preservative Free
Specificity:	HEMOGLOBIN SUBUNIT ZETA
Other names:	HGZ
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	3C4-1D5
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
Western Blotting	▪			0.1 - 10 ug/ml

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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to aa 1-143 of human Hemoglobin subunit zeta.
External Database Links	UniProt:

[P02008](#) [Related reagents](#)

Entrez Gene:

[3050](#) HBZ [Related reagents](#)

Synonyms	HBZ2
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RRID	AB_2232734
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Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
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Specificity	Mouse anti Hemoglobin subunit zeta antibody, clone 3C4-1D5 recognizes the human embryonic hemoglobin zeta chain, also known as Zeta-globin, HBAZ or Hb- ζ . Hemoglobin zeta is a 141 amino acid ~14 kDa alpha-type hemoglobin chain present in early embryonic erythrocytes, forming part of the active tetrameric oxygen binding hemoglobin units Gower-1 (ζ 2: γ 2) Portland-1 (ζ 2: ϵ 2) and Portland-2 (ζ 2: β 2). Gower-2 hemoglobin does not contain any zeta components (α 2: ϵ 2) (Manning et al. 2007). Portland-2 hemoglobin containing 2 ζ chains is associated with homozygous alpha thalassemia (Li et al. 2010).
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Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
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Regulatory	For research purposes only
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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 \(MCA928\)](#)

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

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