

Datasheet: MCA3141Z

Description:	MOUSE ANTI HUMAN GGT1:Preservative Free
Specificity:	GGT1
Other names:	CD224
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	1F9
Isotype:	IgG2a
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
Immunohistology - Paraffin (1)	▪			0.1 - 10 ug/ml
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.

(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
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 381-471 of human GGT1
External Database Links	<p>UniProt: P19440 Related reagents</p> <p>Entrez Gene: 2678 GGT1 Related reagents</p>
Synonyms	GGT
RRID	AB_2279022
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	<p>Mouse anti Human GGT1 antibody, clone 1F9 recognizes human Gamma-glutamyltranspeptidase 1, also known as GGT1, Leukotriene-C4 hydrolase, CD224 or Glutathione hydrolase 1. GGT1 is a 569 amino acid ~65-70 kDa single pass, type II transmembrane glycoprotein. GGT1 forms part of the cell antioxidant defense mechanism.</p> <p>Mutations in the GGT1 gene can lead to the development of Glutathionuria (GLUTH) a disease also known as Gamma-glutamyltranspeptidase deficiency.</p>
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA3141Z 10162
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 IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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
'M405908:220916'

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