

Datasheet: MCA4265Z

BATCH NUMBER 161972

Description:	MOUSE ANTI HUMAN SQSTM1:Preservative Free
Specificity:	SQSTM1
Other names:	p62
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	2C11
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
Western Blotting	▪			
Immunofluorescence	▪			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
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 - 441 of human SQSTM1.

**External Database
Links**

UniProt:

[Q13501](#) [Related reagents](#)

Entrez Gene:

[8878](#) SQSTM1 [Related reagents](#)

Synonyms

ORCA, OSIL

RRID

AB_2286694

Fusion Partners

Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.

Specificity

Mouse anti Human SQSTM1 antibody, clone 2C11 recognizes human SQSTM1, also known as Sequestosome-1, p62 or EBIAP. SQSTM1 is a ~62kDa ubiquitously expressed molecule bearing an N-terminal [OPR](#) domain which mediates homo-oligomerization and interactions with other proteins. SQSTM1 also bears a C-terminal [UBA](#) domain, responsible for binding to poly-ubiquitinated substrates.

SQSTM1 is involved in the autophagic degradation of poly-ubiquitinated proteins ([Wei et al. 2013](#)) and in bone remodelling through activation of osteoclasts. Mutations in the SQSTM1 gene have been implicated in Paget's disease of bone ([Laurin et al. 2002](#))

Mouse anti human SQSTM1, clone 2C11 has been used successfully for the identification of SQSTM1 in Hela cells by western blotting.

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.

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/MCA4265Z>
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](#)
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](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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
'M367685:200529'

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