

Datasheet: MCA4265Z

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 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 - 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
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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Worldwide

Tel: +44 (0)1865 852 700

Europe

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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

'M405936:220916'

Printed on 19 Jan 2024

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