

Datasheet: MCA4265Z

BATCH NUMBER 020315

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|----------------------|---|
| 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.

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|---------------------------------------|--|
| 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](#)

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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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