

Datasheet: MCA6424GA

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|----------------------|------------------------|
| Description: | MOUSE ANTI HUMAN REDD1 |
| Specificity: | REDD1 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | J01-1F6 |
| 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 | ▪ | | | 1/1000 |

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

Species Cross Reactivity

Reacts with: Mouse

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 G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

| | |
|---------------------------------------|---|
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | <i>E. coli</i> -derived recombinant protein, aa 1-232 of human REDD1 |
| External Database Links | <p>UniProt: Q9NX09 Related reagents</p> <p>Entrez Gene: 54541 DDIT4 Related reagents</p> |
| Synonyms | REDD1, RTP801 |
| Specificity | <p>Mouse anti human REDD1, clone J01-1F6 recognizes DNA damage-inducible transcript 4 protein, also known as DDIT4.</p> <p>A dysregulation in the degradation of REDD1 contributes to an increase in mTOR signaling during tumor development (Tirado-Hurtado <i>et al.</i> 2018). An increase in the REDD1 protein has also been seen in patients with colorectal cancer (Fattahi <i>et al.</i> 2021).</p> |
| Western Blotting | Mouse anti Human REDD1 antibody detects a band of 32 kDa in K562 cell lysates |
| Storage | <p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6424GA 10040 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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|---|--|
| 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 , |

Rabbit Anti Mouse IgG (STAR13...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

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
'M417276:230306'

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