

Datasheet: MCA5314Z

BATCH NUMBER 040815

Description:	MOUSE ANTI HUMAN BETA ARRESTIN-2:Preservative Free
Specificity:	BETA ARRESTIN-2
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	4D2
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	▪			0.1 - 10 ug/ml
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 300-410 of human beta arrestin-2.

**External Database
Links**

UniProt:

[P32121](#)

[Related reagents](#)

Entrez Gene:

[409](#)

ARRB2

[Related reagents](#)

Synonyms

ARB2, ARR2

RRID

AB_2243079

Fusion Partners

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

Specificity

Mouse anti Human beta arrestin-2 antibody, clone 4D2 recognizes human beta arrestin-2, a 409 amino acid ~45 kDa intracellular protein involved in regulation of cellular responses to GPCR signaling.

Multiple isoforms of beta arrestin-2 produced by alternative splicing have been described. Mouse anti Human beta arrestin-2 antibody, clone 4D2 binds to the canonical isoform. Isoforms 2 and 3 contain inclusions within the immunogen sequence used to generate clone 4D2 and binding to these isoforms has not been assessed. Isoforms 4 and 5 both have the complete unmodified immunogen sequence and Mouse anti Human beta arrestin-2 antibody, clone 4D2 would therefore be expected to bind these isoforms ([UniProt : P32121](#)).

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/MCA5314Z>
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 IgA IgM (STAR87...)

[Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (STAR76...)

[RPE](#)

Goat Anti Mouse IgG (Fc) (STAR120...)

[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR13...)

[HRP](#)

Goat Anti Mouse IgG (STAR70...)	FITC
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 (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
'M368187:200529'

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