

Datasheet: MCA2051

BATCH NUMBER 1709

Description:	MOUSE ANTI HUNTINGTIN
Specificity:	HUNTINGTIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	HDC8A4
Isotype:	IgG1
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
Flow Cytometry			▪	
Immunohistology - Frozen (1)	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) Increased cytoplasmic staining, relative to nuclear, has been reported using formaldehyde as a fixative compared with acetone/methanol, see Wilkinson *et al.*

Species Cross Reactivity

Reacts with: Mouse, Rabbit, Human

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.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant protein corresponding to amino acids 2703 - 2911 of huntingtin.
External Database Links	<p>UniProt: P42858 Related reagents</p> <p>Entrez Gene: 3064 HTT Related reagents</p>
Synonyms	HD, IT15
RRID	AB_2123261
Specificity	<p>Mouse anti Huntingtin antibody, clone HDC8A4 reacts with an epitope corresponding to the HDC region (2703 - 2911 amino acids) of the huntingtin protein.</p> <p>Mouse anti Huntingtin antibody, clone HDC8A4 detects a ~350 kDa band on western blots but also detects smaller degradation products of huntingtin. Clone HDC8A4 recognizes both denatured and native huntingtin in human brain.</p> <p>The combined use of Mouse anti Huntingtin antibody, clone HDC8A4 (MCA2051) and HDB4E10 (MCA2050) demonstrate that huntingtin is enriched in neuronal cells in the brain.</p>
References	<ol style="list-style-type: none"> 1. Wilkinson, F. L. <i>et al.</i> (1999) Localization of rabbit huntingtin using a new panel of monoclonal antibodies. Molecular Brain Research. 69: 10-20. 2. Yao Y <i>et al.</i> (2015) A striatal-enriched intronic GPCR modulates huntingtin levels and toxicity. Elife. 4: 4. 3. Jones, A.L. (1999) The localization and interactions of huntingtin. Philos Trans R Soc Lond B Biol Sci. 354 (1386): 1021-7. 4. Lazzeroni G <i>et al.</i> (2013) A phenotypic screening assay for modulators of huntingtin-induced transcriptional dysregulation. J Biomol Screen. 18 (9): 984-96. 5. Li X <i>et al.</i> (2008) A function of huntingtin in guanine nucleotide exchange on Rab11. Neuroreport. 19 (16): 1643-7.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p>

Storage in frost free freezers is not recommended. 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
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2051 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
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
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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](https://www.bio-rad-antibodies.com/datasheets)

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