

Datasheet: MCA2051

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 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.

(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 from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% sodium azide (NaN ₃)
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. Jones, A.L. (1999) The localization and interactions of huntingtin. Philos Trans R Soc Lond B Biol Sci. 354 (1386): 1021-7. 3. Li X <i>et al.</i> (2008) A function of huntingtin in guanine nucleotide exchange on Rab11. Neuroreport. 19 (16): 1643-7. 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. Yao Y <i>et al.</i> (2015) A striatal-enriched intronic GPCR modulates huntingtin levels and toxicity. Elife. 4: 4. 6. McClory, H. <i>et al.</i> (2018) The COOH-terminal domain of huntingtin interacts with RhoGEF kalirin and modulates cell survival. Sci Rep. 8 (1): 8000.
Storage	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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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

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
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 (Fc) (STAR120...)	FITC , HRP

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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
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