

Datasheet: HCA322

BATCH NUMBER 173039

Description:	HUMAN ANTI BrdU
Specificity:	BrdU
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD33758kd
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
Flow Cytometry	▪			1/200 - 1/2000
Immunohistology - Paraffin	▪			

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Learn about [how we validate our PrecisionAb range](#). Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Chemical
Product Form	Recombinant chimeric human/rat IgG2a antibody selected from the HuCAL phage display library and expressed in a human cell line. In this antibody, the VH and VL regions are human while the CH1-CH3 and C-lambda regions are derived from rat IgG2a. This antibody is supplied as a liquid.
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Source	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	Antibody concentration 0.5 mg/ml
Immunogen	Bromodeoxyuridine
Specificity	<p>Human anti BrdU antibody, clone AbD33758kd recognizes bromodeoxyuridine (known as BrdU or BrdUrd). BrdU is a synthetic thymidine analogue, which is incorporated into the newly synthesized DNA during replication instead of thymidine.</p> <p>Antibody detection of incorporated BrdU in cellular DNA is extensively referenced as an accurate method to monitor cell proliferation <i>in vivo</i> and <i>in vitro</i>. In cell proliferation assays BrdU staining is coupled with the use of a dye that binds total DNA such as propidium iodide (PI). BrdU can be administered diluted in the culture medium or, <i>in vivo</i> via intraperitoneal injection, subcutaneous osmotic pump implants (Teskaiqi et al. 2004) or in drinking water (Moser et al. 2004).</p> <p>BrdU can be used as a thymidine analogue in a wide range of organisms ranging from mammalian cells, through reptiles and amphibians to invertebrate species and plants.</p> <p>Human anti BrdU antibody, clone AbD33758kd, has been tested in flow cytometry. Anti rat IgG2a specific antibodies are recommended as secondary detection reagents.</p> <p>In some experiments clone AbD33758kd has shown weak cross reactivity to IdU.</p>
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
Acknowledgements	This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA322
Licensed Use	For <i>in vitro</i> research purposes and for commercial applications for the provision of <i>in vitro</i> testing services to support preclinical and clinical drug development. Any re-sale in any form or any other commercial application needs a written agreement with Bio-Rad.
Regulatory	For research purposes only
Technical Advice	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual .

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...) [DyLight®405](#), [DyLight®488](#), [DyLight®800](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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