

Anti-BRD4 Recombinant Human Biotinylated Fab

Publication Number: MAN0007016

Rev. 1.00

Catalog Number: 730047

Store at 2°C to 8°C (short-term), or –20°C (long-term)

Clonality:	Monoclonal	Host/Class:	Mouse IgG1 (Fab)
Concentration:	0.5 mg/mL	Reactivity:	Human BRD4
Quantity:	100 µg	Predicted Reactivity:	Human
Volume:	200 µL		

Product Description

Bromodomain-containing protein 4 (BRD4) is a global transcriptional coactivator which contains two bromodomains, and a conserved sequence motif which may be involved in chromatin targeting. BRD4 associates with chromosomes during mitosis, and is involved in marking genes for expression in the subsequent generation of cells. Two isoforms of BRD4 correspond to a full length long isoform, and an alternatively spliced short isoform.

This product consists of purified Fab fragments which do not have an Fc domain that can be used for detection by secondary reagents. To enable simple and robust detection, the Fab fragments are specifically biotinylated on the C-terminus of the heavy chain. The extremely strong and specific interaction between biotin and streptavidin enables any streptavidin-conjugated secondary reagent to be used for detection.

This antibody was developed against a fully folded protein domain, so it does not show good reactivity against denatured proteins, and may not work in western blot applications.

Product Specifications

Immunogen:	Folded protein domain corresponding to amino acids 333–460, (Bromodomain 2) of human BRD4
Alternate Names:	HUNK1
Apparent MW:	152.218 kDa
Gene ID:	23476
Protein Accession No.:	O60885
Sequence Identity:	Human
Lot:	See product label

Product Applications

Application	Species	Test Material	Concentration
Immunoprecipitation	Human	HEK293	2 µg per IP

Storage and Handling

Store the antibody at 2°C to 8°C for up to 1 month, –20°C for long-term storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Caution: Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at www.lifetechnologies.com/support.

For research use only. Not for human or animal therapeutic or diagnostic use.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@lifetech.com














Product Documentation

To obtain a Certificate of Analysis or SDS, visit
www.lifetechnologies.com/support.

Related Products

Product Name	Quantity	Catalog no.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Streptavidin Agarose	5 mL	SA10004
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Product Warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at www.lifetechnologies.com/termsandconditions. If you have any questions, please contact Life Technologies at www.lifetechnologies.com/support.

LIFE TECHNOLOGIES AND/OR ITS AFFILIATE(S) DISCLAIM ALL WARRANTIES WITH RESPECT TO THIS DOCUMENT, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. TO THE EXTENT ALLOWED BY LAW, IN NO EVENT SHALL LIFE TECHNOLOGIES AND/OR ITS AFFILIATE(S) BE LIABLE, WHETHER IN CONTRACT, TORT, WARRANTY, OR UNDER ANY STATUTE OR ON ANY OTHER BASIS FOR SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE, MULTIPLE OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THIS DOCUMENT, INCLUDING BUT NOT LIMITED TO THE USE THEREOF.

©2012 Life Technologies Corporation. All rights reserved. The trademarks mentioned herein are the property of Life Technologies Corporation or their respective owners.

For support visit www.lifetechnologies.com/support or email techsupport@lifetech.com

www.lifetechnologies.com

15 July 2012

