

# BRD4 Recombinant Monoclonal Antibody [BL-149-2H5]

Rabbit Recombinant Monoclonal

Purified		RefSeq ID	NP_490597.1
Catalog No.	A700-004	Uniprot ID	O60885
Lot No.	5	GeneID	23476

<b>APPLICATIONS</b>	WB, IP, IHC, ICC, ICC-IF, ChIP-Seq, Flow Cyt
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>AMOUNT</b>	100 µl (10 blots)
<b>CONCENTRATION</b>	100 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8°C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Phosphate Buffered Saline (PBS) with 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>CLONE #</b>	BL-149-2H5
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Recombinant antibody was purified from cell culture supernatant. Immunogen was a synthetic peptide representing a region between residues 1312 and 1362 of human bromodomain-containing protein 4 using the numbering given in entry NP_490597.1 (GeneID 23476).

<b>APPLICATIONS</b>	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.
Western Blot	1:1000
Immunoprecipitation	20 µl/mg lysate
Immunohistochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
Immunocytochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.
Immunofluorescence (ICC)	1:25 – 1:250. Formaldehyde fixation is recommended. Permeabilization with Triton-X 100 is recommended for formaldehyde-fixed cells.
ChIP-Seq	A previous lot has qualified for ChIP-Seq. 10 – 40 µl per 30 µg chromatin.
Flow Cytometry	Fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 µl per 1 x 10 <sup>6</sup> cells.

**APPLICATION NOTES** All western blot analysis is performed using 5% Milk-TBST for blocking and as antibody diluent. Primary antibody is incubated overnight.

Western blots of cell lysates are performed using Goat anti-Rabbit IgG Heavy and Light Chain Antibody (A120-101P).

Western blots of immunoprecipitates are performed using Goat anti-Rabbit Light Chain HRP Conjugate (A120-113P) with 5% Normal Pig Serum (S100-020) added to the blocking buffer.

**IHC HUMAN CONTROLS** Bladder Cell Carcinoma, Breast Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Tonsil, A549 Cells, HEK293T Cells, HeLa Cells, Jurkat Cells, KG-1 Cells, MJ Cells, OVCAR-8 Cells

**ADDITIONAL INFO** <https://www.fortislife.com/p/A700-004>

Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Michael Spencer, PhD

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Phone: 800.338.9579 • Fax: 866.597.6105 • Web: [www.fortislife.com](http://www.fortislife.com)  
Orders: [orders@fortislife.com](mailto:orders@fortislife.com) • Support: [technical@fortislife.com](mailto:technical@fortislife.com)