

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

Rabbit Recombinant Monoclonal

Purified		RefSeq ID	NP_490597.1
Catalog No.	A700-004-T	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>	20 µl (2 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.fortislifesciences.com/p/A700-004-T>

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.

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