

Mouse anti-Human, Rat DHFR Monoclonal Antibody | anti-DHFR antibody

DHFR (Dihydrofolate reductase) (AP)

CATALOG # AAA24190	HOST Mouse	REACTIVITY Human, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

DHFR; Monoclonal Antibody; DHFR (Dihydrofolate reductase) (AP); anti-DHFR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2B10
Specificity	Recognizes human DHFR. Species Crossreactivity: rat
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Sequence Length	1133
Applicable Applications for anti-DHFR antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant protein corresponding to aa88-187 of human DHFR (BC003584; AAH03584) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	HFLSRSLDDALKLTEQPELANKVDMVWVGGSSVYKEAMNHPGHLKLFVTRIMQDFESDTFFPEIDLEKYKLLPEYPGVLSVDVQEEKGIKYKFEVYEKND
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

ADDITIONAL INFORMATION

Related Product Information for anti-DHFR antibody	Dihydrofolate reductase converts dihydrofolate into tetrahydrofolate, a methyl group shuttle required for the de novo synthesis of purines, thymidylic acid, and certain amino acids. Dihydrofolate reductase deficiency has been linked to megaloblastic anemia.
Product Categories/Family for anti-DHFR antibody	Antibodies ; Enzymes

References	1. Influence of Reduced Folate Carrier and Dihydrofolate Reductase Genes on Methotrexate-Induced Cytotoxicity. Yoon SA, Choi JR, Kim JO, Shin JY, Zhang X, Kang JH.Cancer Res Treat. 2010 Sep;42(3):163-71. Epub 2010 Sep 30. 2. Telomere capping in non-dividing yeast cells requires Yku and Rap1. Vodenicharov MD, Laterreur N, Wellinger RJ.EMBO J. 2010 Jul 13. 3. Anticancer drug encapsulated in inorganic lattice can overcome drug resistance. Choi SJ, Choi GE, Oh JM, Oh YJ, Park MC, Choy JH.J. Mater. Chem., 2010, 20, 9463-9469. 4. Deficient BH4 production via de novo and salvage pathways regulates NO responses to cytokines in adult cardiac myocytes. Ionova IA, Vasquez-Vivar J, Whitsett J, Herrnreiter A, Medhora M, Cooley BC, Pieper GM.Am J Physiol Heart Circ Physiol. 2008 Nov;295(5):H2178-87. Epub 2008 Oct 3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13097773
NCBI GeneID	1719
NCBI Official Full Name	Homo sapiens dihydrofolate reductase, mRNA
NCBI Official Synonym Full Names	dihydrofolate reductase
NCBI Official Symbol	DHFR
NCBI Official Synonym Symbols	DYR; DHFRP1
NCBI Protein Information	dihydrofolate reductase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://www.aaabiotech.com/monoclonal/dhfr-antibody-clone-2b10-western-blot-elisa/24190>