

Name: Purified anti-DHFR mouse monoclonal antibody, Clone 3A11
Product Data Sheet

Catalog: TA500517

Gene Name: Homo sapiens dihydrofolate reductase (DHFR)
 GeneBank accession: NM_000791
 Isotype: IgG2b

Reactivity: Human
 Test application: WB
 Clone Name: clone 3A11

Gene Synonym: DHFRP1; DYR

Guaranteed Applications: WB, IHC

Suggested Dilutions: WB 1:2000 IHC 1:50

Immunogen: Protein expressed in 293T cell transfected with human DHFR expression vector

Components:

- Purified anti-DHFR mouse monoclonal antibody, Clone 3A11 (TA500517)
- 1 vial of 20ug myc-DDK tagged DHFR HEK293T over-expression lysate lyophilized in RIPA buffer (LY400271) (Reconstitute into 20ul of 1x SDS sample buffer before loading) (Not available for 30ul sample size)

Amount:

TA500517-100 100 uL

Concentration: 0.5~1.0 mg/ml (Lot Dependent)

Storage Condition: Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Buffer: PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Purification:

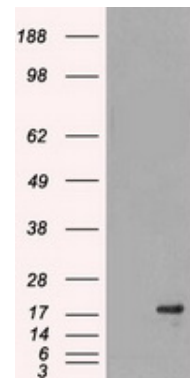
Purified from mouse ascites fluids by affinity chromatography

Background:

Dihydrofolate reductase converts dihydrofolate into tetrahydrofolate, a methyl group shuttle required for the de novo synthesis of purines, thymidylic acid, and certain amino acids. While the functional dihydrofolate reductase gene has been mapped to chromosome 5, multiple intronless processed pseudogenes or dihydrofolate reductase-like genes have been identified on separate chromosomes. Dihydrofolate reductase deficiency has been linked to megaloblastic anemia.

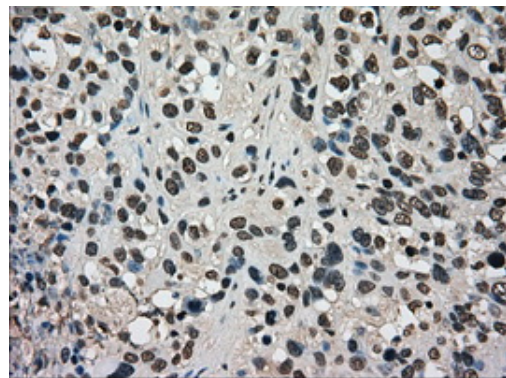
Validation Data:

Western Blot



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DHFR (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DHFR.

IHC data



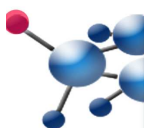
Immunohistochemical staining of paraffin-embedded Carcinoma of bladder tissue using anti-DHFR mouse monoclonal antibody. (TA500517, Dilution 1:50)

Related Product:

- TrueORF cDNA clones
- VERIFY Tagged Antigen lysates
- HuSH-29 shRNA
- Western Blot reagents
- Anti-myc/DDK tag antibodies

* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.



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