

For Research Use Only

DHFR Monoclonal antibody

Catalog Number: 68274-1-Ig



Basic Information

Catalog Number: 68274-1-Ig	GenBank Accession Number: BC000192	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 1719	CloneNo.: 4C11E9
Source: Mouse	UNIPROT ID: P00374	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG1	Full Name: dihydrofolate reductase	
Immunogen Catalog Number: AG7318	Calculated MW: 21 kDa	
	Observed MW: 21 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : LNCaP cells, NIH/3T3 cells, HeLa cells, HEK-293 cells, Jurkat cells
Species Specificity: human, mouse	

Background Information

DHFR (dihydrofolate reductase) catalyzes the subsequent NADPH-dependent reduction of the H₂folate produced by TS to regenerate the tetrahydrofolate (H₄folate) necessary for continued dTMP synthesis and transfer of 1-carbon units (PMID:3461439). It belongs to the dihydrofolate reductase family and can exist as a homodimer (PMID:2248959). DHFR is widely expressed in fetal and adult human brain and whole blood, expression is higher in adult brain than fetal brain (PMID:21310276).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

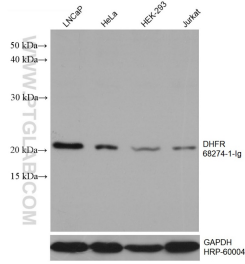
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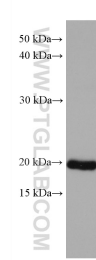
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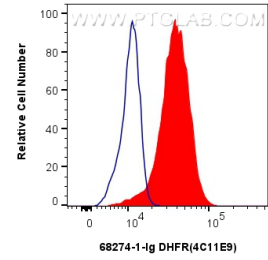
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68274-1-Ig (DHFR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 68274-1-Ig (DHFR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 MCF-7 cells were intracellularly stained with 0.4 μ g DHFR Monoclonal antibody (68274-1-Ig, Clone:4C11E9) and Coralite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.4 μ g Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).