

Human Dihydrofolate reductase (DHFR) ELISA Kit | DHFR elisa kit

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CATALOG #
AAA27073

REACTIVITY
Human

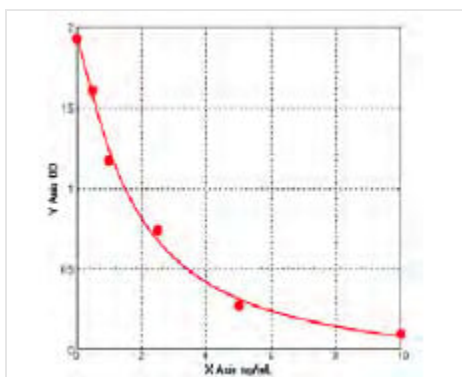
PRODUCT SYNONYMS

Dihydrofolate reductase (DHFR); Human Dihydrofolate reductase (DHFR) ELISA Kit; DHFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DHFR elisa kit

Intended Uses: This DHFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DHFR. This ELISA kit for research use only!

Principle of the Assay: DHFR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DHFR antibody and an DHFR-HRP conjugate. The assay sample and buffer are incubated together with DHFR-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the DHFR concentration since DHFR from samples and DHFR-HRP conjugate compete for the anti-DHFR antibody binding site. Since the number of sites is limited, as more sites are occupied by DHFR from the sample, fewer sites are left to bind DHFR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DHFR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7106289
NCBI GeneID	13361
NCBI Accession #	NP_034179.1
NCBI GenBank Nucleotide #	NM_010049.3
Molecular Weight	21,606 Da
NCBI Official Full Name	dihydrofolate reductase
NCBI Official Synonym Full Names	dihydrofolate reductase
NCBI Official Symbol	Dhfr
NCBI Official Synonym Symbols	AA607882; AI662710; AW555094; 8430436I03Rik
NCBI Protein Information	dihydrofolate reductase
UniProt Protein Name	Dihydrofolate reductase
UniProt Gene Name	Dhfr
UniProt Entry Name	DYR_MOUSE

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://stage.aaabiotech.com/human-elisa-kits/dihydrofolate-reductase-dhfr/27073>