

This product is for research use only (not for diagnostic or therapeutic use)

contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS16 3165

Anti-5-fC | 5-formylcytosine

Product information

Immunogen <u>KLH</u>-conjugated 5-fC (5-formylcytosine)

Host Rabbit

Clonality Polyclonal

Purity Serum

Format Liquid

Quantity 100 μl

Storage

Store lyophilized/reconstituted at -20 °C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Additional information This serum contains 0,05 % sodium azide

Application information

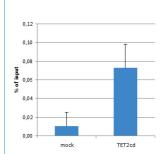
Recommended dilution 3 μl (DIP), 1 : 10 000 (ELISA)

Confirmed reactivity | Human

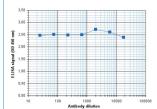
Predicted reactivity Mouse, broad species range

Not reactive in No confirmed exceptions from predicted reactivity are currently known

application example



DIP: HEK293 cells were transfected with a reporter gene and hydroxymethylated in vitro with either a pCAG expression vector containing the TET2 catalytic domain (TET2cd) or a negative control pCAG vector. DIP assays were performed on 4 µg of sheared and denatured DNA using 3 μl of the polyclonal antibody against 5-fC in a total of 500 μl IP buffer. QPCR was performed with primers specific for the reporter gene. Figure 1 shows the recovery, expressed as a % of input (mean +standard deviation of 3 different experiments).



ELISA: to determine the titer of the antibody, an ELISA was performed using a serial dilution of the polyclonal antibody directed against 5-fC. The plates were coated with the immunogen. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be >1:100 000