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Product no AS16 3165

Anti-5-fC | 5-formylcytosine

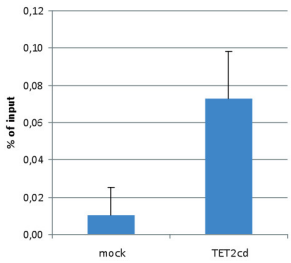
Product information

Immunogen	KLH-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

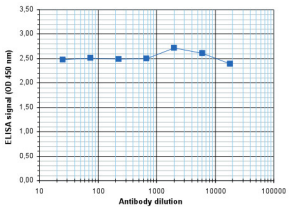
Application information

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.