

## Data sheet Rat TNF- $\alpha$ ELISA antibody pair

### 10-plate and 20-plate format

#### Contents

Items	Cat. no. CT704-10 (10-plate format)	Cat. no. CT704-20 (20-plate format)	Storage conditions
Coating antibody	2 vials	4 vials	4 °C
Biotinylated detection antibody	2 vials	4 vials	4 °C
Standards	5 vials	10 vials	4 °C
SPP conjugate	2 vials	4 vials	$\leq -20$ °C in the dark

Please read our ELISA antibody pair Technical Data Sheet for further guidelines and procedures.

#### Coating antibody

Product: Monoclonal antibody to rat tumor necrosis factor alpha (TNF- $\alpha$ )  
 Isotype: Hamster IgG  
 Production: *In vitro* using serum free medium  
 Purification: Ammonium sulphate precipitation and DEAE ion-exchange chromatography  
 Buffer: Prior to lyophilization: 0.25 ml PBS + 125 mM trehalose

#### Biotinylated detection antibody

Product: Biotinylated polyclonal antibody to rat tumor necrosis factor alpha (TNF- $\alpha$ )  
 Isotype: Rabbit IgG  
 Purification: Ammonium sulphate precipitation, protein A- and ligand-affinity chromatography  
 Labeling: With Biotin-7-NHS (N-hydroxysuccinimide)  
 Buffer: Prior to lyophilization: 0.5 ml PBS + 1% BSA + 125 mM trehalose

#### Standards

Product: Recombinant rat tumor necrosis factor alpha (TNF- $\alpha$ )

#### SPP conjugate

Product: SPP conjugate (Streptavidin-HRP)  
 Application: This product should be used in combination with TMB substrate.

#### General

Sensitivity: 2 pg/ml  
 Specificity: Validated for detecting natural and recombinant rat TNF- $\alpha$   
 Sterility: Membrane filtered (0.2  $\mu$ m)  
 Content: Lyophilized  
 References: Bakker JM *et al.* (2000). J Immunol 165: 5932-7.  
 Braccioli L *et al.* (2017). Pediatr Res 81: 127-35.  
 Kumar R *et al.* (2016). Phytother Res 30: 112-9.

More references can be found at [www.ucytech.com/references](http://www.ucytech.com/references).