

HBT ELISA TEST KITS FOR MOUSE SOLUBLE TNF RECEPTORS

The Hbt Mouse Soluble TNF Receptor kits have been developed for the quantitative measurement of natural and recombinant Mouse sTNF-R I and Mouse sTNF-R II in serum, plasma and culture medium.

PRINCIPLE OF THE TEST

The Hbt Mouse sTNF Receptor ELISA test kits are solid-phase enzyme-linked immunosorbent assays based on the sandwich principle. Samples and standards are incubated in microtiter wells coated with antibodies recognizing Mouse sTNF-R I or II. During this incubation mouse sTNF Receptor is captured by the solid bound antibody. Unbound material present in the sample is removed by washing. Next biotinylated second antibody (tracer) to mouse sTNF-R I or II is added to the wells. If mouse sTNF-R I or II was present in the sample, the tracer antibodies will bind to the captured sTNF receptor. The excess tracer is removed by washing. Next a streptavidin-peroxidase conjugate is applied to the wells, this conjugate reacts specifically with the biotinylated tracer antibody bound onto the detected sTNF Receptor. The excess streptavidin-peroxidase conjugate is removed by washing and substrate, tetramethylbenzidine (TMB) is added to the wells. Color develops proportionally to the amount of mouse sTNF-R I or II present in the sample. The enzyme reaction is stopped by the addition of citric acid and the absorbance at 450 nm is measured with a spectrophotometer. A standard curve is obtained by plotting the absorbances versus the corresponding concentrations of the known standards. The mouse sTNF-R I or II concentration of samples with unknown concentrations, which are run concurrently with the standards, can be determined from the standard curve.

SPECIAL FEATURES OF THE KIT

- Ready-to-use (ie. pre-coated microwells).
- High specificity.
- High reproducibility.
- High sensitivity. The minimum concentration which can be measured is 50 pg/ml of soluble TNF-R I and II.
- Large measurable concentration range. Standard curve from 41-10,000 pg/ml.
- Efficient format. Two plates with twelve 8-well strips each allow free choice of batch size for the assay.
- Simple, rapid procedure. Four pipetting steps are required to complete the assay. Working time 4½ hours.

AVAILABILITY

The Hbt Mouse soluble TNF receptor tests are available in kits for 2 x 96 determinations.

HK201	Hbt Mouse sTNF-R I ELISA Kit
HK202	Hbt Mouse sTNF-R II ELISA Kit
HK203	Hbt Mouse sTNF-R I and II TWIN ELISA Kit, 96 determination for each Mouse sTNF-R I and II

For research purposes only.

Caution: Not for use in humans.