

HBT ELISA TEST KIT FOR MOUSE GM-CSF

The Hbt Mouse GM-CSF kits have been developed for the quantitative measurement of natural and recombinant mouse GM-CSF in serum, plasma and culture medium.

PRINCIPLE OF THE TEST

The Hbt Mouse GM-CSF ELISA test kit is a solid-phase enzyme-linked immunosorbent assay based on the sandwich principle. Samples and standards are incubated in microtiter wells coated with antibodies recognizing mouse GM-CSF. During this incubation mouse GM-CSF is captured by solid bound antibody. Unbound material present in the sample is removed by washing. Next HRPO-labeled second antibody (tracer) to mouse GM-CSF is added to the wells. If GM-CSF was present in the sample, the tracer antibodies will bind to the captured GM-CSF. Excess tracer is removed by washing and substrate, tetramethylbenzidine (TMB) is added to the wells. Colour develops proportionally to the amount of mouse GM-CSF present in the sample. The enzyme reaction is stopped by the addition of citric acid and the absorption at 450 nm is measured with a spectrophotometer. A standard curve is obtained by plotting the absorptions versus the corresponding concentrations of the known standards. The mouse GM-CSF 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 (i.e. pre-coated microwells).
- High specificity.
- High reproducibility
- High sensitivity. The minimum concentration which can be measured is 15 pg/ml of GM-CSF.
- Large measurable concentration range. Standard curve from 15.6-1,000 pg/ml.
- Efficient format. Two plates with each twelve 8-well strips allow free choice of batch size for the assay.
- Simple, rapid procedure. Three pipetting steps are required to complete the assay. Working time 3½ hours.

AVAILABILITY

The Hbt Mouse GM-CSF tests are available in kits for 2 x 96 and 10 x 96 determinations.

PRODUCT NUMBER: HK204 Hbt Mouse GM-CSF ELISA Kit, 2 x 96 determinations.

Also available:

PRODUCT NUMBER: DK1204 Hbt Mouse GM-CSF DECA Kit, complete ELISA reagent set for 10 x 96 determinations.

For research purposes only.
Caution: Not for use in humans.