

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

1th Edition

[**INTENDED USE**]

The Antibody Pair can be used for quantifying natural and recombinant human TK1 in ELISA, CLIA, ELISPOT, Luminex, Immunochromatography and other immunoassays.

[**CONTENTS AND PROPERTIES**]

Content 1: Standard

Traits	Quantity	Vials	Components
Freeze-dried powder	100 ng/vial	1 vial	E.coli derived Recombinant TK1 in BSA solution

Content 2: Capture Antibody to TK1

Quantity	839 µg	Vials	1 vial
Concentration	3994 µg/mL	Host	Mouse
Clone Number	P1C1	Isotype	IgG2b-κ
Traits	Liquid	Buffer	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

Content 3: Detection Antibody to TK1

Quantity	31 µg	Vials	1 vial
Concentration	173 µg/mL	Host	Rabbit
Traits	Liquid	Buffer	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[**REAGENT PREPARATION**]

Bring all components to room temperature (18-25°C) and briefly spin or centrifuge the vials before use. Working solutions should be prepared and used immediately.

Standard: Reconstitute the Standard with Standard Diluent. Cloud-Clone's product of Standard Diluent (Catalog: IS0051) is highly recommended.

Capture Antibody: Working concentration of 8 µg/mL is recommended, dilute the Ab with Coating Buffer. Cloud-Clone's product of Coating Buffer (Catalog: IS0052) is highly recommended.



Detection Antibody: Working concentration of 0.3 µg/mL is recommended, dilute the Ab with Dilution Buffer. Cloud-Clone's product of Dilution Buffer (Catalog: IS0053) is highly recommended.

Notes: The recommended Cloud-Clone's products of diluents and buffers are validated in the lab, other reagents selected for use can alter the performance of an immunoassay.

[STORAGE]

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -20°C for eight months.

Please make all solutions fresh before the experiment.

Notes: Please avoid pollution.

[In-House Data]

8 µg/mL Capture Ab and 0.3 µg/mL Detection Ab were used as antibody pairs in sandwich ELISA with detection range of 78-5,000 pg/mL.