

Product Specification Sheet

Product: anti-Glycerol Kinase [*Cellulomonas species*] [Goat]

Code: 100-101-211

Lot # 5903

Size: 2.0 ml

Physical State: Lyophilized

Antibody Concentration: 90.0 mg/ml (by Refractometry)

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer: None

Preservative: 0.01% (w/v) Sodium Azide

Application(s): Suitable for immunoblotting (western or dot blot), ELISA, immunoprecipitation and most immunological methods requiring high titer and specificity.

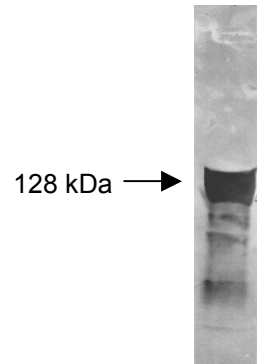
Recommended Dilution(s): This product has been assayed against 1.0 µg of Glycerol Kinase [*Celullomonas species*] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) code #605-4302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:2,000 of the reconstitution concentration is suggested for this product. Optimal titers for other applications should be determined by the researcher.

Storage Conditions: Store vial at 4° C prior to restoration. Restore with 2.0 ml of deionized water (or equivalent). Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of restoration.

Purity and Specificity: This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Glycerol Kinase [*Cellulomonas species*]. Cross reactivity against Glycerol Kinase from other sources is unknown.

Immunogen: Glycerol Kinase [*Cellulomonas species*]

Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.



Both the antiserum and IgG fractions of anti-Glycerol Kinase (*Cellulomonas*) are shown to detect the 128,000 dalton enzyme in cellular extracts. Approximately 10 µg of total protein is loaded per lane. A 1:4,000 dilution of the primary antibody is used followed by detection using HRP Rabbit-a-Goat IgG [H&L] (605-4302) diluted 1:4,000 and color development using 4-CN substrate until sufficient color develops. Other detection systems will yield similar results.