G-Biosciences ♦ 1-800-628-7730 ♦ 1-314-991-6034 ♦ technical@GBiosciences.com

A Geno Technology, Inc. (USA) brand name

Well-Coated™ Antibody

96-Well Plates Coated with Goat α-Mouse or α-Rabbit IgG

Goat α-Mouse:
Cat. # 786-738, 786-739, 786-758, 786-759

Goat α-Rabbit:
Cat. # 786-741, 786-760, 786-761

INTRODUCTION

Well-Coated™ Antibody plates are designed to specifically bind either mouse or rabbit IgG making them suitable for binding assays using low quantities of antibodies or antibodies that denature on direct binding to polystyrene plates. Another advantage of using the Well-Coated™ Antibody plates is that the specificity to IgG means purified antibodies are not essential.

Well-Coated™ Antibody plates are suitable for direct, indirect, competitive and sandwich assays. The wells are coated to a 100µl depth and are supplied pre-blocked in our proprietary Superior™ Blocking Buffer. The clear, white and black plates are offered for colorimetric, chemiluminescence and fluorescent detection systems, respectively.

ITEM(S) SUPPLIED

Cat. #	Components	Size
786-738	Well-Coated™ Antibody (Goat α-Mouse) Coated 96 well plate, Clear	5 plates
786-739	Well-Coated™ Antibody (Goat α-Mouse) Coated 8-well strip plate, Clear	5 plates
786-758	Well-Coated™ Antibody (Goat α-Mouse) Coated 96 well plate, Black	5 plates
786-759	Well-Coated™ Antibody (Goat α-Mouse) Coated 96 well plate, White	5 plates
786-741	Well-Coated™ Antibody (Goat α-Rabbit) Coated 8-well strip plate, Clear	5 plates
786-760	Well-Coated™ Antibody (Goat α-Rabbit) Coated 96 well plate, Black	5 plates
786-761	Well-Coated™ Antibody (Goat α-Rabbit) Coated 96 well plate, White	5 plates

STORAGE CONDITIONS

Shipped at ambient temperature. Upon arrival, store unopened at 4°C. Once opened the plates can be stored in a resealable bag with an appropriate desiccant at 4°C.

BINDING CAPACITY

- **Well-Coated™ Antibody (Goat α-Mouse):** ~7pmol mouse IgG/well
- **Well-Coated™ Antibody (Goat α-Rabbit):** ~12pmol rabbit IgG/well

PROTOCOL

The following protocol is a simple direct ELISA protocol and the protocol and reagents used will have to be optimized for specific applications and assays.

ITEMS NEEDED BUT NOT SUPPLIED

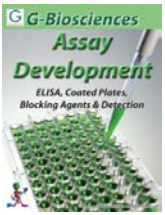
- Antibody to be bound to plate
- Wash Buffer: femtoTBST™ (Cat. # 786-161) or femtoPBST™ (Cat. # 786-162); 10X concentrated wash buffers supplemented with Tween® 20. Or an appropriate wash buffer of choice.
- Blocking Buffer: A suitable blocking buffer, we recommend our Superior™ Blocking Buffer (Cat. # 786-655 to 786-661) or NAP-BLOCKER™, an animal free blocking agent suitable for ELISA (Cat. # 786-190).
- Labeled Antigen, visit www.GBiosciences.com for horseradish peroxidase (HRP), alkaline phosphatase (AP) and biotin labeling kits.
- Detection system, femtoELISA™ is a chromogenic detection system for HRP and AP (Cat. # 786-110 to 786-113)

Direct ELISA Assay

1. Wash the wells to be used three times with 300µl Wash Buffer.
2. Dilute the antibody to be bound to 0.1-1µg/ml with the Blocking Buffer. Add up to 100µl to each well.
3. Incubate at room temperature for 30-60 minutes, with shaking for optimal binding.
4. Wash each well three times with 300µl Wash Buffer.
5. Add the labeled antigen at a concentration of ~0.1µg/well, diluted in Blocking Buffer, if necessary.
6. Incubate at 37°C for 1 hour.
7. Wash each well three times with 300µl Wash Buffer.
8. Detect the label signal according to the manufacturer's instructions, using 200µl detection reagent per well.
   NOTE: *For biotin, incubate the plate for a further 1 hour at 37°C with an enzyme-labeled streptavidin or other biotin detection system. Wash as before and then detect the signal.*

RELATED PRODUCTS

Download our Assay Development Handbook.



http://info.gbiosciences.com/complete-assay-development-handbook

For other related products, visit our website at www.GBiosciences.com or contact us.

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