

# CERTIFICATE OF ANALYSIS

## MONOCLONAL ANTIBODIES

### Rotavirus Mouse Monoclonal Antibody

|                 |                          |
|-----------------|--------------------------|
| <b>Code No.</b> | <b>BM412-D1B6</b>        |
| <b>Grade</b>    | <b>Affinity Purified</b> |
| <b>Lot No.</b>  |                          |

#### RECEIVER INFORMATION

**Expiry Date**

**Storage Temperature** 2-8°C

**Shipping Temperature** 2-8°C

#### PRODUCT INFORMATION

**Specificity** Antibody detects *Rotavirus* antigen (VP6 protein). No cross reactivity with *Campylobacter spp.*, *C. difficile*, *E. coli*, *L. monocytogenes*, *Salmonella spp.*, *Shigella spp.*, *Y. enterocolitica*, *Enterovirus*, *Norovirus*, *Astrovirus*, *Adenovirus*, *C. oarvum*, *G. lambia*, *H.pylori*, *E. hystolitica*, *S. aureus*.

**Immunogen** Rotavirus VP6 recombinant protein

**Source** Cell Culture

**BBI Solutions Clone No.** D1B6

**Application** This is a self-pairing antibody, so is recommended as both the Detection and Capture antibody in Lateral Flow and ELISA. Also, recommended for use in Western Blotting.

**Limit of Detection** This product has been shown to detect recombinant Rotavirus protein at a concentration of  $\geq 1.50$  ng/ml in an assay format. Please note antibody sensitivity is assay dependent.

**Isotype** IgG1

**Host** Mouse

**Purification** Protein A

**Presentation** Supplied liquid in a PBS buffer, pH7.4, containing 0.09% sodium azide.

#### HEALTH AND SAFETY

**Application** For in-vitro use and research or further processing only.

**Precaution** Potentially hazardous. For specific precautions, see Safety Data Sheet.

**Material Safety** For further information and technical details, please download a Safety Data Sheet at [www.bbisolutions.com](http://www.bbisolutions.com) or contact your BBI Account Manager.

## ANALYSIS

| TESTS | SPECIFICATIONS | RESULTS |
|-------|----------------|---------|
|-------|----------------|---------|

### Determination Method

Protein concentration by  
Optical Density at 280nm

≥ 0.5 mg/ml

mg/ml

### Purity

Defined by a major band ≥ 95% using SDS- PAGE

### Lateral Flow testing

An example of BM412-D1B6 showing a positive reaction with *Rotavirus* in a Lateral Flow test.

#### Rotovirus



Control Line

Test Line

|         |  |           |  |
|---------|--|-----------|--|
| Name:   |  | Position: |  |
| Signed: |  | Date:     |  |