



## CELL LAB Mouse Anti-Human IFN- $\gamma$

Cat. No.	Form	Quantity
731750	Purified (UNLB) Antibody	0.5 mg
731751	Biotin (BIOT) Conjugate	0.5 mg

**For Research Use Only. Not for use in diagnostic procedures.**

### DESCRIPTION

**Clone:** B27  
**Immunogen:** *E. coli*-expressed recombinant human IFN- $\gamma$   
**Isotype:** Mouse IgG1 $\kappa$   
**Specificity:** Human Interferon- $\gamma$  (IFN- $\gamma$ )<sup>1-2</sup> This is a neutralizing antibody. B27 monoclonal antibody has been used for epitope mapping of human IFN- $\gamma$ .<sup>1</sup> The B27 antibody does not bind to denatured IFN- $\gamma$ .<sup>1</sup>

### APPLICATIONS

**Enzyme-Linked Immunosorbent Assay (ELISA) Detection:** B27 monoclonal antibody is useful as a detection antibody in a sandwich ELISA for quantifying human IFN- $\gamma$  protein levels.<sup>1,2</sup> Biotinylated B27 antibody should be paired with purified A35 antibody (Cat. No. 731749) as the capture antibody, with purified recombinant human IFN- $\gamma$  as the standard.

**Immunofluorescence/Flow Cytometry:** B27 antibodies are useful for intracytoplasmic staining and flow cytometric analysis to identify and enumerate IFN- $\gamma$ -positive cells within mixed cell populations. Recombinant human IFN- $\gamma$ , unlabeled B27 (Cat. No. 731750), or Rat IgG1 (Cat. No. 731656 or 731658, respectively) should be used as a specificity control.

**Immunoprecipitation:** The B27 antibody has been reported to be useful for immunoprecipitation.<sup>1</sup>

### CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using a sandwich ELISA.

### WORKING DILUTIONS

**Other Applications:** Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

### HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

## STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Avoid microbial contamination of reagent or erroneous results may occur.
5. Use Good Laboratory Practice (GLP) when handling this reagent.
6. Harmful if swallowed.
7. After contact with skin, wash immediately with plenty of water.
8. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

## TRADEMARKS

The Beckman Coulter logo is a trademark of Beckman Coulter, Inc.

For additional information or if damaged product is received, contact your local Beckman Coulter Representative.

## REFERENCES

1. Favre C, Wijdenes J, Cabrillat H, Djossou O, Banchereau J, and de Vries JE. 1989. Epitope mapping of recombinant human gamma interferon using monoclonal antibodies. *Molec Immunol*, 26:17-25.
2. Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, and Silver JE. 1992. Strategies of anti-cytokine monoclonal antibody development: Immunoassay of IL-10 and IL-5 in clinical samples. *Immunol Rev*, 127:5-24.



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