IOTest® Anti-IFNγ-PE
PN IM2717U – 2 mL Liquid – 20 µL / test* – Clone 45.15

Analyte Specific Reagent.
Analytical and performance characteristics are not established.

SPECIFICITY
INFγ (also known as Immune Interferon or Type II interferon) is a homodimeric protein with a molecular weight (Mr) of the monomer form ranging from 20 to 25 kDa. The level of glycosylation is responsible for molecular weight heterogeneity observed for the monomer (1–3). The monomers are associated to form biologically active dimers with a Mr ranging from 40 to 75 kDa.
INFγ is produced by T cells and NK cells (1, 2). Its pleiotropic effects result in regulating practically all phases of immune and inflammatory responses, including the activation, growth and differentiation of T-, B- lymphocytes, macrophages, NK cells and other cell types such as endothelial cells and fibroblasts (1, 4).
Among its numerous immunomodulatory effects, INFγ is known for its anti-viral, anti-parasitic and anti-tumoral activities (3–5).

REAGENT
IOTest IFNγ-PE Conjugated Antibody
PN IM2717U – 2 mL Liquid – 20 µL / test*.
Clone 45.15
Isotype IgG1, mouse
Source Serum-free culture supernatant
Purification Ion exchange or affinity chromatography
Conjugation R-phycoerythrin (PE) is conjugated at 0.5 – 1.5 moles of PE per mole of Ig.
Fluorescence PE (orange-red)
Excites at 486 – 580 nm
Emits at 568 – 590 nm

REAGENT CONTENTS
This reagent is provided in phosphate-buffered saline, with 0.1% sodium azide (NaN₃) as preservative, and 2.0 mg / mL bovine serum albumin (BSA).

STATEMENT OF WARNINGS
1. This reagent contains 0.1% sodium azide. Sodium azide under acid 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, wash excessively with water.
2. Do not use antibody beyond the expiration date on the label.
3. Samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
4. Never pipet by mouth and avoid contact of samples with skin and mucous membranes
5. Minimize exposure of reagent to light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might occur.
7. Use good laboratory practices when handling this reagent.

EVIDENCE OF DETERIORATION
Any change in the physical appearance of this PE-labeled reagent (clear colorless to pinkish liquid) or any major variation in values obtained for control samples may indicate deterioration and the reagent should not be used.

REAGENT PREPARATION
No preparation is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

SELECTED RESEARCH REFERENCES

PRODUCT AVAILABILITY
IOTest IFNγ-PE Conjugated Antibody
PN IM2717U – 2 mL Liquid – 20 µL / test*.

For additional information in the USA, call 800-526-7694.
Outside the USA, contact your local Beckman Coulter representative.
www.beckmancoulter.com

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Manufactured by:
Immunotech, a Beckman Coulter Company
130, avenue de Lattre de Tassigny, B.P. 177
13276 Marseille Cedex 9, France

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(*): 20 µL is the quantity of product sufficient to stain 5 x 10⁵ cells in a standard immunofluorescence assay.