

Technical Data Sheet

Purified Mouse Anti-Pig IFN- γ

Product Information

Material Number:	559961
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	P2G10
Immunogen:	Recombinant pig IFN- γ
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Pig
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The P2G10 antibody reacts with porcine interferon- γ (IFN- γ). The immunogen used to generate the P2G10 hybridoma was recombinant pig IFN- γ .

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at 4° C.

Application Notes

Application

ELISA Capture	Routinely Tested
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Recommended Assay Procedure:

ELISA Capture: The purified P2G10 antibody (Cat. No. 559961) is useful as a capture antibody in a sandwich ELISA for measuring pig IFN- γ protein levels. Purified P2G10 antibody can be paired with the biotinylated P2C11 antibody (Cat. No. 559958) as the detecting antibody. Purified P2G10 antibody should be titrated 1-4 μ g/ml to determine optimal concentration for ELISA capture. To obtain linear standard curves, doubling dilutions of pig IFN- γ ranging from ~500 to 4 pg/ml are recommended for inclusion in each ELISA plate. For specific methodology please visit the protocols section or the chapter on ELISA in the Immune Function Handbook, both of which are posted on our web site, www.bdbiosciences.com.

Immunofluorescence and Flow cytometry: For immunofluorescent staining and flow cytometric analysis, the P2G10 antibody has been found useful to identify and enumerate IFN- γ producing cells within mixed cell populations. PE- conjugated P2G10 antibody (Cat. No. 559812) is especially suitable for these studies. For specific methodology, please visit the protocols section or chapter on intracellular staining in the Immune Function Handbook, both of which are posted on our web site, www.bdbiosciences.com.

Suggested Companion Products

Catalog Number	Name	Size	Clone
559958	Biotin Mouse Anti-Pig IFN- γ	0.5 mg	P2C11

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

Mateu de Antonio E, Husmann RJ, Hansen R, et al. Quantitative detection of porcine interferon-gamma in response to mitogen, superantigen and recall viral antigen. *Vet Immunol Immunopathol.* 1998; 61(2-4):265-277. (Immunogen: ELISA)
 Prussin C, Metcalfe DD. Detection of intracytoplasmic cytokine using flow cytometry and directly conjugated anti-cytokine antibodies. *J Immunol Methods.* 1995; 188(1):117-128. (Methodology: IC/FCM Block)

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