

bsm-0388M**[Primary Antibody]**

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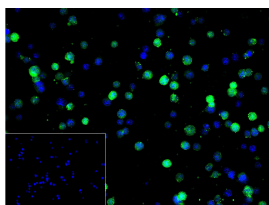
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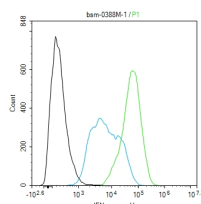
400-901-9800

IFN gamma(F2E4) Mouse mAb**— DATASHEET —**

Host: Mouse	Isotype: IgG	Applications: Flow-Cyt (1ug/Test) ICC/IF (1:50-200) Reactivity: Human Predicted MW.: 17 kDa Subcellular Location: Secreted
Clonality: Monoclonal	CloneNo.: F2E4	
GeneID: 3458	SWISS: P01579	
Target: IFN gamma(F2E4)		
Immunogen: Recombinant Full length of human IFN gamma: 24-161/166 (C-6x His-Tag).		
Purification: affinity purified by Protein G		
Concentration: 1mg/ml		
Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Mammalian Interferon gamma is mainly produced by T lymphocytes and NK cells. It is a pleiotropic cytokine involved in the regulation of nearly all phases of immune and inflammatory responses, including the activation, growth and differentiation of T cell, B cells, macrophages, NK cells and other cell types such as endothelial cells and fibroblasts. It has weak antiviral and antiproliferative activity, and potentiates the antiviral and anti tumor effects of IFN alpha / beta (type I interferon). It is upregulated by IL2, FGF basic, EGF and downregulated by vitamin D3 or DMN. Labile at pH 2.		

— VALIDATION IMAGES —

4% Paraformaldehyde-fixed Jurkat (Treated with PMA (25 ng/mL, 6 h) and ionomycin (1 µg/mL, 6 h), BFA (5 µg/ml, last 5 h)) (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (IFN gamma) monoclonal Antibody, unconjugated (bsm-0388M) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-60296G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The Jurkat (Treated with PMA (25 ng/mL, 6 h) and ionomycin (1 µg/mL, 6 h), BFA (5 µg/ml, last 5 h)) (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Mouse Anti-IFN gamma antibody (bsm-0388M): 1 µg/10⁶ cells; Secondary Antibody (white blue): Goat anti-Mouse IgG-BF488 (bs-60296G-BF488): 1 µg/test. Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=3.17]** Zhang, Jia - xiang, et al. "Complement C5a-C5aR interaction enhances MAPK signaling pathway activities to mediate renal injury in trichloroethylene sensitized BALB/c mice." Journal of Applied Toxicology (2015). IHC ;Mouse. 26095957

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.