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

IFN gamma(F2E4) Mouse mAb

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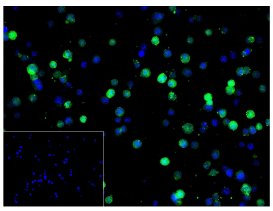
DATASHEET

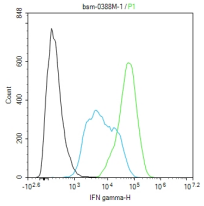
Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: F2E4
GeneID: 3458
SWISS: P01579
Target: IFN gamma(F2E4)
Immunogen: Recombinant Full length of human IFN gamma: 24-161/166 (C-6x His-Tag).
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M 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 poteniates 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.

Applications: **Flow-Cyt** (1ug/Test)
ICC/IF (1:50-200)
Reactivity: Human
Predicted MW.: 17 kDa
Subcellular Location: Secreted

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/10^6 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