Interferon regulatory factor 9 / IRF-9 Antibody

Mouse Monoclonal Antibody [Clone PCRP-IRF9-2F8]

Catalog No	Format	Size
10379-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
10379-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
10379-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

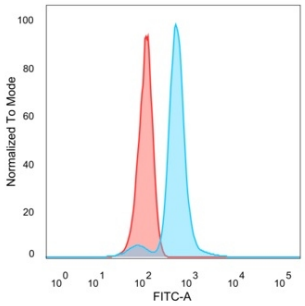
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

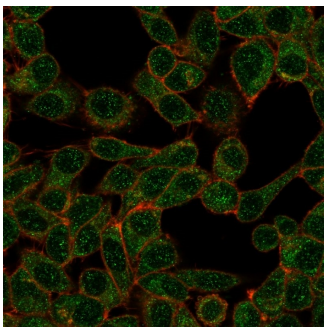
Clone	PCRP-IRF9-2F8
Gene Name	IRF9
Immunogen	Recombinant full-length human IRF9 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	43.34kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	Jurkat or K562 cells., MCF-7

**Optimal dilution for a specific application should be determined.*

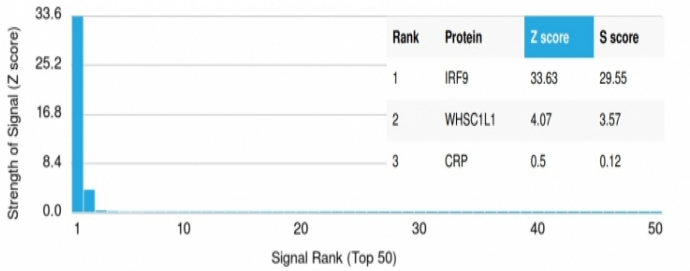
Product Images for Interferon regulatory factor 9 / IRF-9 Antibody



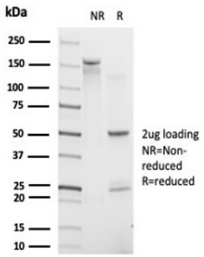
Flow cytometric analysis of PFA-fixed HeLa cells. IRF9 Mouse Monoclonal Antibody (PCRP-IRF9-2F8) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



Immunofluorescent analysis of PFA-fixed HeLa cells. IRF9 Mouse Monoclonal Antibody (PCRP-IRF9-2F8) followed by goat anti-mouse IgG-CF488 (green); counterstain (red).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing IRF9 Mouse Monoclonal Antibody (PCRP-IRF9-2F8). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis. Purified IRF9 Mouse Monoclonal Antibody (PCRP-IRF9-2F8). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Transcription regulatory factor that mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize, associate with IRF9/ISGF3G to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cytokine Signaling, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.