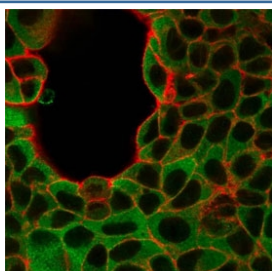


IRF3 Antibody / Interferon regulatory factor 3 [clone PCRP-IRF3-6C8] (V9201)

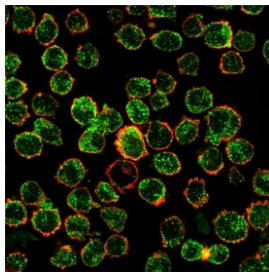
Catalog No.	Formulation	Size
V9201-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9201-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9201SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

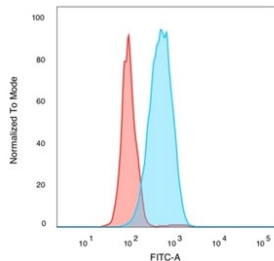
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	PCRP-IRF3-6C8
Purity	Protein A/G affinity
UniProt	Q14653
Localization	Cytoplasm, Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml
Limitations	This IRF3 antibody is available for research use only.



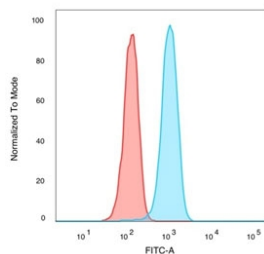
Immunofluorescent staining of human MCF-7 cells using IRF3 antibody (green, clone PCRP-IRF3-6C8) and phalloidin (red).



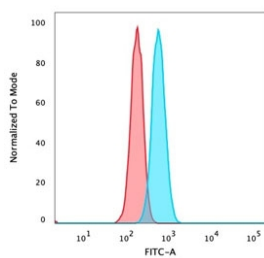
Immunofluorescent staining of human K562 cells using IRF3 antibody (green, clone PCRP-IRF3-6C8) and phalloidin (red).



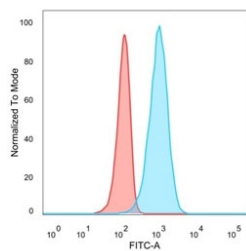
FACS staining of PFA-fixed human MCF-7 cells with IRF3 antibody (blue, clone PCRP-IRF3-6C8), and unstained cells (red).



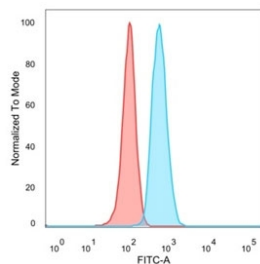
FACS staining of PFA-fixed human K562 cells with IRF3 antibody (blue, clone PCRP-IRF3-6C8), and unstained cells (red).



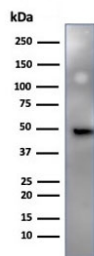
FACS staining of PFA-fixed human HeLa cells with IRF3 antibody (blue, clone PCRP-IRF3-6C8), and unstained cells (red).



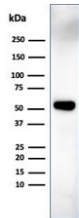
FACS staining of PFA-fixed human U87 cells with IRF3 antibody (blue, clone PCRP-IRF3-6C8), and unstained cells (red).



FACS staining of PFA-fixed human Raji cells with IRF3 antibody (blue, clone PCRP-IRF3-6C8), and unstained cells (red).

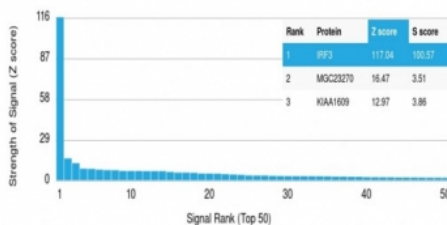


Western blot testing of human HeLa cell lysate using IRF3 antibody (clone PCRP-IRF3-6C8). Predicted molecular weight ~47 kDa.



Western blot testing of human MCF7 cell lysate using IRF3 antibody (clone PCRP-IRF3-6C8). Predicted molecular weight ~47 kDa.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using IRF3 antibody (clone PCRP-IRF3-6C8). These results demonstrate the foremost specificity of the PCRP-IRF3-6C8 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

In the absence of viral infection, IRF3 is maintained as a monomer in an autoinhibited state. Phosphorylation by TBK1 and IKKε disrupts this autoinhibition leading to the liberation of the DNA-binding and dimerization activities and its nuclear localization where it can activate type I IFN and ISG genes. [UniProt]

Application Notes

Optimal dilution of the IRF3 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human IRF3 protein was used as the immunogen for the IRF3 antibody.

Storage

Aliquot the IRF3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

