

Store at
-20°C
#57103**IRF Family Antibody Sampler Kit**

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1 Kit (9 x 20 microliters)

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For Research Use Only. Not for Use in Diagnostic Procedures.

Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
IRF-1 (D5E4) XP® Rabbit mAb	8478	20 µl	45-48 kDa	Rabbit IgG
IRF-2 Antibody	4943	20 µl	45 kDa	Rabbit
IRF-3 (D6I4C) XP® Rabbit mAb	11904	20 µl	50-55 kDa	Rabbit IgG
IRF-4 (D9P5H) Rabbit mAb	15106	20 µl	51 kDa	Rabbit IgG
IRF-5 Antibody	20261	20 µl	60 kDa	Rabbit
IRF-6 Antibody	6948	20 µl	58, 60 kDa	Rabbit
IRF-7 (D2A1J) Rabbit mAb	13014	20 µl	65 kDa	Rabbit IgG
IRF-8 (D20D8) Rabbit mAb	5628	20 µl	50 kDa	Rabbit IgG
IRF-9 (D2T8M) Rabbit mAb	76684	20 µl	48 kDa	Rabbit IgG
Anti-rabbit IgG, HRP-linked Antibody	7074	100 µl		Goat

Please visit cellsignal.com for individual component applications, species cross-reactivity, dilutions, protocols, and additional product information.

Description

The IRF Family Antibody Sampler Kit contains reagents to examine the total protein levels of various IRF isoforms. The kit contains enough primary and secondary antibodies to perform two western blot experiments with each primary antibody.

Storage

Polyclonal antibodies are supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol, and monoclonal antibodies also contain less than 0.02% sodium azide. Store at -20°C. *Do not aliquot the antibodies.*

Background

Interferon regulatory factors (IRFs) comprise a family of transcription factors that function within the Jak/Stat pathway to regulate interferon (IFN) and IFN-inducible gene expression in response to viral infection (1). IRFs play an important role in pathogen defense, autoimmunity, lymphocyte development, cell growth, and susceptibility to transformation. The IRF family includes nine members: IRF-1, IRF-2, IRF-9/ISGF3γ, IRF-3, IRF-4 (Pip/LSIRF/ICSAT), IRF-5, IRF-6, IRF-7, and IRF-8/ICSBP. All IRF proteins share homology in their amino-terminal DNA-binding domains. IRF family members regulate transcription through interactions with proteins that share similar DNA-binding motifs, such as IFN-stimulated response elements (ISRE), IFN consensus sequences (ICS), and IFN regulatory elements (IRF-E) (2).

Background References

1. Taniguchi, T. et al. (2001) *Annu Rev Immunol* 19, 623-55.
2. Honda, K. and Taniguchi, T. (2006) *Nat Rev Immunol* 6, 644-58.

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