Human IRF8 Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 809926

Catalog Number: FAB5117U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IRF8 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human IRF4 is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 809926
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human IRF8 Ala255-Val426 Accession # Q02556
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

IRF8 (interferon regulatory factor 8; also ICSBP) is a 50 kDa member of the IRF family of proteins. It is expressed in myeloid, dendritic and B cells and interacts with PU.1 to regulate the expression of TLR4, IL-18, IL-12p35, and PTPN13, a Fas-associated phosphatase that blocks Fas-induced apoptosis. Human IRF8 is 426 amino acids (aa) in length. It contains an N-terminal DNA-binding basic region (aa 9-110) and at least one regulatory phosphorylation site at Tyr95. Over aa 255-426, human IRF8 shares 90% and 88% aa sequence identity with canine and mouse IRF8, respectively.

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