Human TCF-12/HTF4 Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 690124

Catalog Number: FAB6928U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TCF-12/HTF4 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human TCF1, -2, -3, or -5 is observed.
Source	Monoclonal Mouse IgG_{2B} Clone # 690124
Purification	IgM-specific Affinity-purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human TCF-12/HTF4 Met108-Glu521 Accession # Q99081
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.

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

TCF-12 (transcription factor 12), also called HTF4, bHLHb20 and HEB, is a 682 amino acid (aa) DNA binding protein of the E protein family of helix-loop-helix (HLH) transcription factors. E proteins, including TCF-12 and E2A, mediate lymphocyte differentiation and also function in neurogenesis. Homo-oligomerization is required for activity; hetero-oligomers are also formed. The region of human TCF-12 used as an immunogen excludes the HLH domain and shares 94% aa sequence identity with mouse and rat TCF-12. Potential isoforms of 706 and 648 aa contain an insertion of 24 aa after aa 396, while isoforms of 648, 624 and 512 aa show alternate N-terminal sequences that merge with the 682 aa form at aa 75, 75 and 194, respectively.

PRODUCT SPECIFIC NOTICES

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