

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FoxC1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 625905
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human FoxC1 Gln208-Gln322 Accession # Q12948
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

Human FoxC1 (forkhead box C1), also called FKHL7 (forkhead-like 7) or FREAC3 (forkhead-related activator 3) is a 553 amino acid (aa) intracellular phosphoprotein that belongs to a large family of nuclear transcription factors that share a common forkhead/winged helix DNA binding domain. FoxC1 is essential for formation of mesodermal tissues; mutations underlie Axenfeld-Rieger malformations of the eye. The human FoxC1 sequence includes a DNA binding domain at aa 77-168 and an inhibitory domain between aa 268-245. Phosphorylation within this inhibitory region causes a protein gel mobility shift. Human FoxC1 shares 92% and 91% aa identity with mouse and rat FoxC1, respectively.

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