

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human FoxC1 in direct ELISAs and Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 625905
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human FoxC1 Gln208-Gln322 Accession # Q12948
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	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.

## PRODUCT SPECIFIC NOTICES

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