

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human ZNF143 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) ZNF24, rhZNF206, rhZNF281, rhDC-SCRIPT/ZNF366, rhZNF423, or recombinant mouse Bcl-6 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 677314
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human ZNF143 Gly459-Asp638 Accession # P52747
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

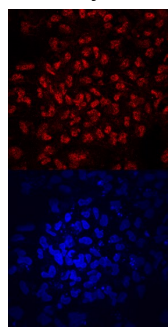
## APPLICATIONS

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Immunocytochemistry</b>	8-25 µg/mL	See Below

## DATA

### Immunocytochemistry



**ZNF143 in BG01V Human Stem Cells.** ZNF143 was detected in immersion fixed BG01V human embryonic stem cells using Mouse Anti-Human ZNF143 Monoclonal Antibody (Catalog # MAB6804) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red, upper panel; Catalog # NL007) and counterstained with DAPI (blue, lower panel). Specific staining was localized to nuclei. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

ZNF143 is a 69 kDa (unglycosylated) member of the GLI C2H2-type zinc-finger protein family. Human ZNF143 is 638 amino acids (aa) in length. A second isoform is produced from the deletion of residues 39-69. The protein contains seven C2H2-type zinc fingers, and is expressed in all tissues tested with greatest expression in the ovary. Functionally, ZNF143 serves as a transcriptional activator. Its other functions include acting as an activator for the gene for selenocysteine tRNA (tRNA<sup>Sec</sup>), binding to the SPH motif of small nuclear RNA (snRNA) gene promoters, and participating in efficient U6 RNA polymerase III transcription through its interaction with CHD8. Human ZNF143 shares 97% aa sequence identity with mouse ZNF143.