

## Product datasheet for **CF500253**

### **GATA4 Mouse Monoclonal Antibody [Clone ID: OTI1H8]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI1H8
<b>Applications:</b>	IF, WB
<b>Recommended Dilution:</b>	WB 1:1000
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2b
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Recombinant fragment expressed in E.coli corresponding to amino acids 296-442of human GATA4
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	44.4 kDa
<b>Gene Name:</b>	GATA binding protein 4
<b>Database Link:</b>	<a href="#">NP_002043</a> <a href="#">Entrez Gene 14463 MouseEntrez Gene 54254 RatEntrez Gene 2626 Human P43694</a>



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**Background:**

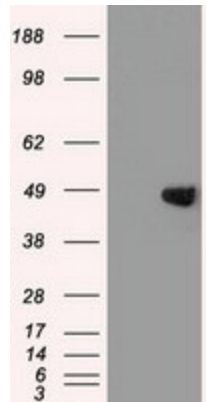
GATA4 encodes a member of the GATA family of zinc-finger transcription factors. Members of this family recognize the GATA motif which is present in the promoters of many genes. This protein is thought to regulate genes involved in embryogenesis and in myocardial differentiation and function. Mutations in this gene have been associated with cardiac septal defects

**Synonyms:**

ASD2; TACHD; TOF; VSD1

**Protein Families:**

Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GATA4 ([RC210945], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GATA4. Positive lysates [LY419558] (100ug) and [LC419558] (20ug) can be purchased separately from OriGene.

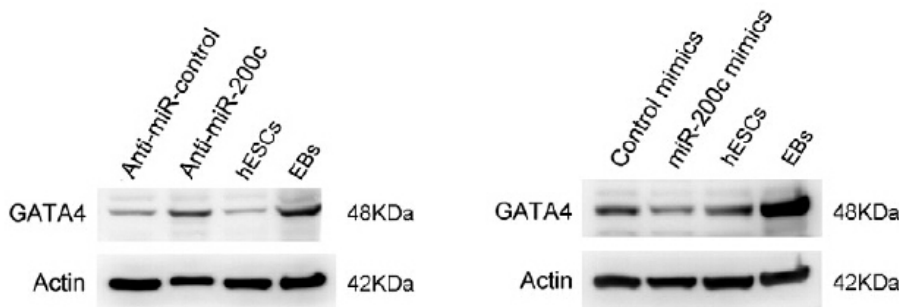
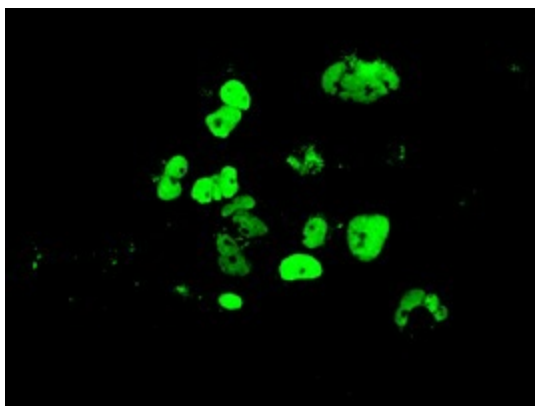


Figure from citation: Western Blot of GATA4 protein level by using anti-GATA4 antibody in hESCs. [View Citation](#)



Anti-GATA4 mouse monoclonal antibody ([TA500253]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY GATA4 ([RC210945]).