

## Product datasheet for CF809142

### GATA3 Mouse Monoclonal Antibody [Clone ID: OTI8E11]

#### Product data:

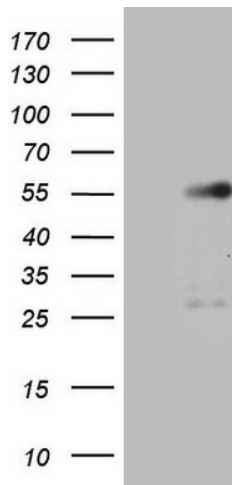
Product Type:	Primary Antibodies
Clone Name:	OTI8E11
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 155-443 of human GATA3 (NP_001002295) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	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)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	47.9 kDa
Gene Name:	Homo sapiens GATA binding protein 3 (GATA3), transcript variant 1, mRNA.
Database Link:	<a href="#">NP_001002295</a> <a href="#">Entrez Gene 14462</a> <a href="#">MouseEntrez Gene 85471</a> <a href="#">RatEntrez Gene 2625</a> <a href="#">Human</a>
Background:	This gene encodes a protein which belongs to the GATA family of transcription factors. The protein contains two GATA-type zinc fingers and is an important regulator of T-cell development and plays an important role in endothelial cell biology. Defects in this gene are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia. [provided by RefSeq, Nov 2009]
Synonyms:	HDR; HDRS



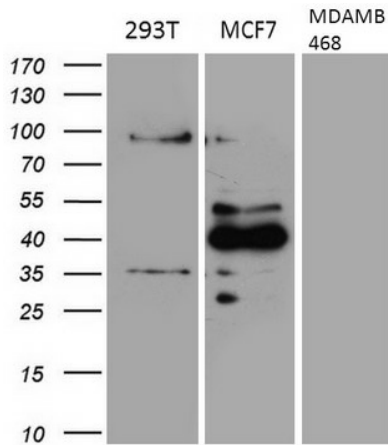
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**Protein Families:** Adult stem cells, ES Cell Differentiation/IPS, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors

**Product images:**

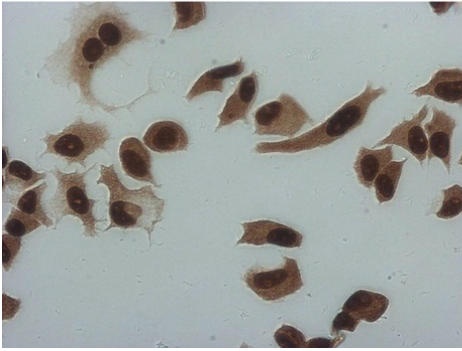


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GATA3 ([RC211904], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GATA3 (1:2000). Positive lysates [LY424146] (100ug) and [LC424146] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 3 different cell lines by using anti-GATA3 monoclonal antibody (1:200).

MCF7

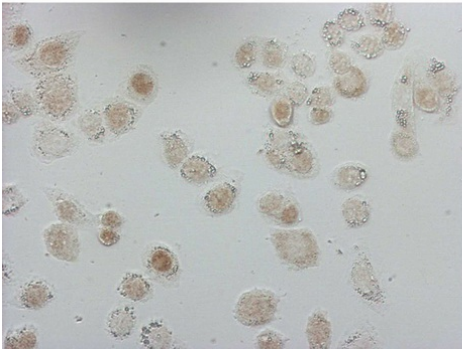


HUVEC



Immunocytochemistry staining of MCF-7 cells using anti-GATA3 mouse monoclonal antibody ([TA809142]) (Left). The right is negative control (1:1000).

MDA-MB-468

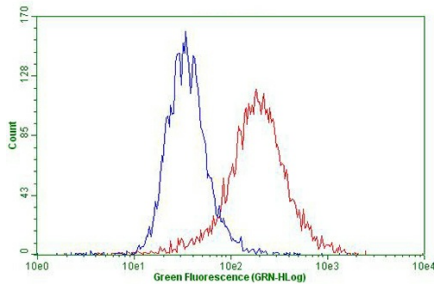


HUVEC

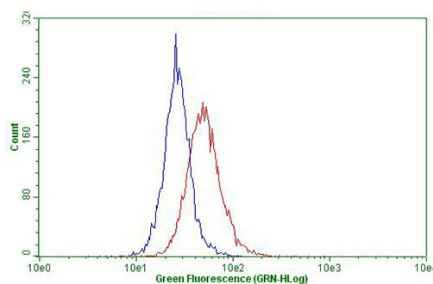


Immunocytochemistry staining of MDA-MB-468 cells using anti-GATA3 mouse monoclonal antibody ([TA809142]) (Left). The right is negative control (1:1000).

MCF7



HUVEC



Flow cytometric Analysis of penetrated MCF-7 cells, using anti-GATA3 antibody ([TA809142]), (Red), compared to a nonspecific negative control antibody, (Blue). The right is HUVEC cells as negative control (1:100).