

## ARG55132 anti-GATA3 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes GATA3
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	1259CT707.136.102
Isotype	IgG2b, kappa
Target Name	GATA3
Species	Human
Immunogen	Recombinant protein of Human GATA3.
Conjugation	Un-conjugated
Alternate Names	Trans-acting T-cell-specific transcription factor GATA-3; GATA-binding factor 3; HDR; HDRS

### Application Instructions

Application table	Application	Dilution
	FACS	1:25
	ICC/IF	1:25
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HL-60	

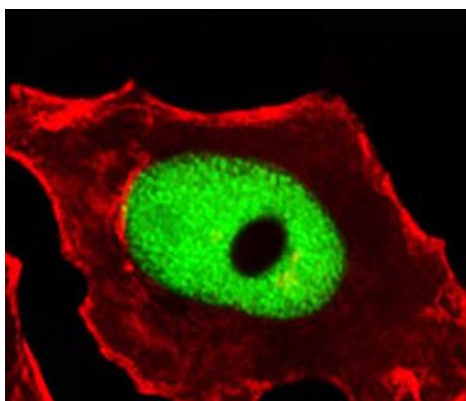
### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

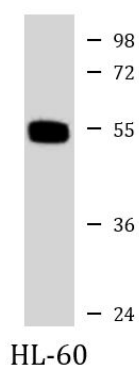
Database links	<a href="#">GeneID: 2625 Human</a> <a href="#">Swiss-port # P23771 Human</a>
Gene Symbol	GATA3
Gene Full Name	GATA binding protein 3
Background	This gene encodes a protein which belongs to the GATA family of transcription factors. The protein contains two GATA-type zinc fingers and is 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]
Function	Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'. Required for the T-helper 2 (Th2) differentiation process following immune and inflammatory responses. [UniProt]
Research Area	Controls and Markers antibody; Developmental Biology antibody; Gene Regulation antibody; Immune System antibody
Calculated Mw	48 kDa
Cellular Localization	Nucleus.

## Images



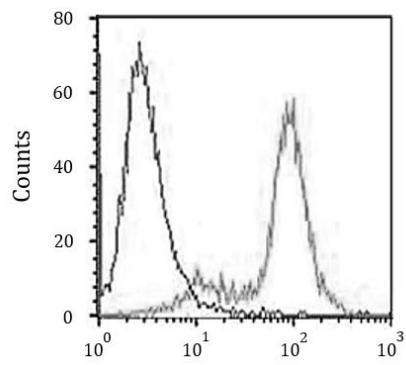
ARG55132 anti-GATA3 antibody ICC/IF image

Immunofluorescence: MCF7 cells stained with ARG55132 anti-GATA3 antibody (green) at 1:25 dilution. Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



ARG55132 anti-GATA3 antibody WB image

Western blot: 35 µg of HL-60 cell lysate stained with ARG55132 anti-GATA3 antibody at 1:1000 dilution.



#### ARG55132 anti-GATA3 antibody FACS image

Flow Cytometry: MCF7 cells stained with ARG55132 anti-GATA3 antibody (right histogram) at 1:25 dilution or isotype control antibody (left histogram), followed by incubation with Alexa Fluor® 488 labelled secondary antibody.