

## ARG55132 anti-GATA3 antibody [1259CT707.136.102]

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                                                                                                                                      |          |

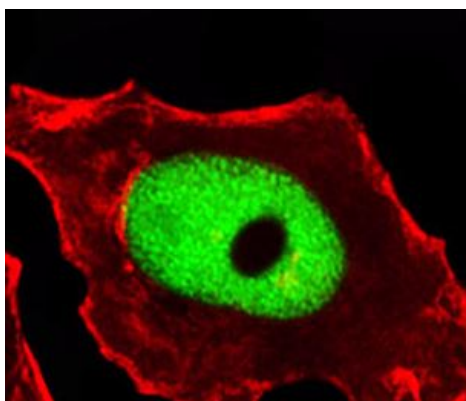
### Properties

|                     |                                                                                                                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

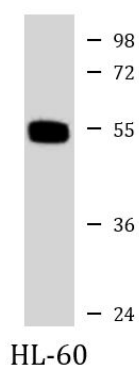
|                       |                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Database links        | <a href="#">GeneID: 2625 Human</a><br><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



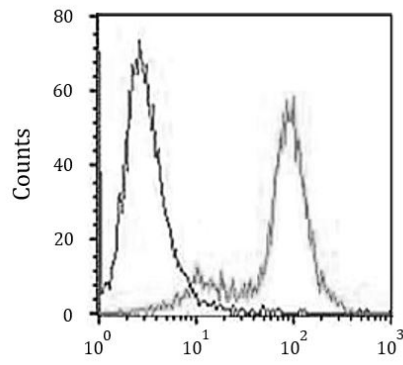
ARG55132 anti-GATA3 antibody ICC/IF image

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.