

**GATA3 Antibody (clone 7B5)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS13209**

**Specification**

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**GATA3 Antibody (clone 7B5) - Product Information**

Application	IHC
Primary Accession	<a href="#">P23771</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	48kDa KDa

**GATA3 Antibody (clone 7B5) - Additional Information**

**Gene ID** 2625

**Other Names**

Trans-acting T-cell-specific transcription factor GATA-3, GATA-binding factor 3, GATA3

**Target/Specificity**

Human GATA3

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

GATA3 Antibody (clone 7B5) is for research use only and not for use in diagnostic or therapeutic procedures.

**GATA3 Antibody (clone 7B5) - Protein Information**

**Name** GATA3

**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. Positively regulates ASB2 expression (By similarity). Coordinates macrophage transcriptional activation and UCP2-dependent metabolic reprogramming in response to IL33. Upon tissue injury, acts downstream of IL33 signaling to drive differentiation of inflammation-resolving alternatively activated macrophages.

**Cellular Location**

Nucleus.

**Tissue Location**

T-cells and endothelial cells.

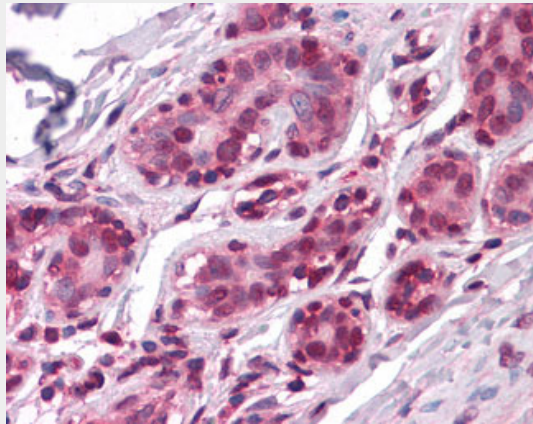
**Volume**  
50 µl

### **GATA3 Antibody (clone 7B5) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **GATA3 Antibody (clone 7B5) - Images**



Anti-GATA3 antibody IHC of human breast.

### **GATA3 Antibody (clone 7B5) - Background**

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.

### **GATA3 Antibody (clone 7B5) - References**

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Ho I.-C., et al. EMBO J. 10:1187-1192(1991).  
Ko L.J., et al. Mol. Cell. Biol. 11:2778-2784(1991).  
Marine J., et al. Proc. Natl. Acad. Sci. U.S.A. 88:7284-7288(1991).  
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