

GATA3 Monoclonal Antibody

Description

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|--------------------------------|--|
| Product type | Antibody |
| Code | BT-MCA2064 |
| Host | Mouse |
| Isotype | Mouse IgG1 |
| Size | 100μL, 50μL |
| Immunogen | Purified recombinant fragment of GATA3 (aa175-388) expressed in E. Coli. |
| Mol wt | N/A |
| Species reactivity | Human |
| Clonality | Monoclonal |
| Recommended application | Others |
| Concentration | N/A |
| Full name | N/A |
| Synonyms | HDR |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

GATA3: GATA binding protein 3. The genes for all 4 subunits of the T-cell antigen receptor (alpha, beta, gamma and delta) are controlled by distinct enhancers and their enhancer-binding proteins. Marine and Winoto (1991) identified a common TCR regulatory element by demonstrating binding of the enhancer-binding protein GATA3 to the enhancer elements of all 4 TCR genes. GATA3 had been shown in the chicken to be an enhancer-binding protein containing a zinc finger domain. GATA3 mRNA was demonstrated by Northern blot analysis in T cells but not in B cells, macrophages, or HeLa cell lines. GATA3 is abundantly expressed in the T-lymphocyte lineage and is thought to participate in T-cell receptor gene activation through binding to enhancers. Labastie et al. (1994) cloned the human gene and the 5-prime end of the mouse gene. The human gene comprises 6 exons distributed over 17 kb of DNA. Its 2 zinc fingers are encoded by 2 separate exons highly conserved with those of GATA1, but no other structural homologies between the 2 genes could be found.

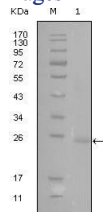
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using GATA3 mouse mAb against truncated GATA3-His recombinant protein (1).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.