
anti- GATA-3

Cat #: HM1163
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

GATA3 is a member of a family comprising GATA1, GATA2, GATA3, GATA4, GATA5, GATA6 and OSP1. They share a conserved zinc finger DNA binding domain and are capable of binding the WGATAR consensus sequence. The expression patterns of the various GATA transcription factors may overlap. It is not yet clear how the GATA factors are able to discriminate in binding their appropriate target sites. GATA-3 is highly expressed in T lymphocytes. Studies with a modified GATA consensus sequence, AGATCTTA, have shown that GATA-2 and GATA-3 recognize this mutated consensus while GATA-1 has poor recognition of this sequence. This indicates broader regulatory capabilities of GATA-2 and GATA-3 than GATA-1.

SPECIFICITY

This antibody specifically reacts with GATA-3 of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

Molecular Weight GATA-3: 50 kDa

Western blotting positive controls: MOLT-4 cell lysate.

IMMUNOGEN

A synthetic peptide at the N-terminus of human GATA-3 protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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