

Technical Data Sheet

Anti-Mouse H-2

Catalog Number: 200301, 200302

Size: 100 ug, 500 ug

Target Name: H-2, major histocompatibility complex (MHC) H-2

Regulatory Status: RUO

Product Details

Clone: M1/42

Application: FC

Reactivity: Mouse

Format: Purified

Isotype: Rat IgG2a

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Protein Concentration: 0.5 mg/mL

Storage and Handling: Store the antibody undiluted at 2°C to 8°C.

Background Information

Mouse H-2 Complex is the murine equivalent of the human Major Histocompatibility Complex (MHC), located on chromosome 17. It encodes molecules essential for antigen presentation and immune regulation and is divided into: Class I – expressed on all nucleated cells from mice of the a, b, d, j, k, s, and u haplotypes; presents endogenous peptides to CD8+ T cells via the CD3/TCR complex, aiding cytotoxic immune responses; Class II – expressed mainly on antigen-presenting cells; presents exogenous peptides to CD4+ T cells; Class III – encodes immune-related proteins such as complement components and cytokines.