

# Anti-Mouse/rat MHC Class II (14-4-4S) In Vivo Antibody - Low Endotoxin

**Product Code:** ICH1247

## More Information

**Species Reactivity:** Mouse, Rat

**Target:** MHC Class II (I-Ek/RT1-D)

**Concentration:** >5mg/ml

**Isotype:** Mouse IgG2a Kappa

**Host:** Mouse

**product name H2:** Anti-Mouse/rat MHC Class II (14-4-4S) In Vivo Antibody - Low Endotoxin

**Shipping Conditions:** Blue ice

**background:** MHC class II molecules present extracellular-derived peptides to CD4 T cells, and the I-Ek/RT1-D antigens are key haplotype markers in mouse and rat immunology. Clone 14-4-4S is a mouse IgG2a kappa monoclonal antibody recognising these MHC class II molecules in mouse and rat, validated for functional assays, flow cytometry, IHC, and immunoprecipitation. Anti-MHC class II 14-4-4S is supplied in a low-endotoxin format suitable for in vivo use and manufactured in scalable milligram to gram quantities for bulk and high-throughput laboratories. As a research-use-only, non-therapeutic reagent, it provides reproducible performance for antigen-presentation and transplantation research.

**Other names:** I-Ek/RT1-D

**clone:** 14-4-4S

**Purification Method:** Protein A

**Formulation:** This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein,



potassium, calcium or preservatives added.

**Purity:**  $\geq 95\%$  monomer by analytical SEC\_  $> 95\%$  by SDS Page

**Endotoxin:** 1.0 EU/mg as determined by the LAL method

**Storage:** Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at  $\leq -70^\circ\text{C}$ . Avoid Repeated Freeze Thaw Cycles.

**Applications:** FA, FC, IHC, IP

**Use:** Products are for research use only. Not for use in diagnostic or therapeutic procedures.