

# Anti-Mouse CD45.2 (104.2) In Vivo Antibody - Low Endotoxin

**Product Code:** ICH1287

**More Information**

**Species Reactivity:** Mouse

**Target:** CD45.2

**Concentration:**  $\geq 5.0$  mg/ml

**Isotype:** Mouse IgG2a k

**Host:** Mouse

**product name H2:** Anti-Mouse CD45.2 (104.2) In Vivo Antibody - Low Endotoxin

**Aggregation:** Aggregation level  $\leq 5\%$

**Buffer:** ICH3002

**UniProt:** P06800

**Shipping Conditions:** Blue ice

**background:** CD45.2 is an allelic variant of the pan-leukocyte phosphatase CD45 that serves as a congenic marker for tracking and distinguishing donor and recipient cells in mouse adoptive-transfer and bone-marrow-chimera experiments. The mouse IgG2a kappa monoclonal clone 104.2 targets CD45.2 and is validated for blocking, flow cytometry, frozen-section IHC, immunoprecipitation and in vivo applications. Anti-mouse CD45.2 clone 104.2 is supplied in a low-endotoxin format suitable for in vivo use and produced in scalable milligram (mg) to gram (g) quantities for high-throughput and bulk studies. As an RUO reagent, it delivers consistent, reproducible cell-tracking performance in murine immunology research.

**Other names:** Ly-5.2, PTPRC, LCA, T200

**clone:** 104.2

**Purification Method:** This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

**Formulation:** Sterile, preservative-free, solution in PBS. BSA and Azide free.

**Purity:** >95% by SDS-PAGE

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

**Storage:** Stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at -20°C or -80°C. Avoid Repeated Freeze Thaw Cycles.

**Applications:** Blocking, Flow Cytometry, IHC Frozen, in vivo, Immunoprecipitation

**Application Notes:** This antibody is for research use only (RUO): it is not for diagnostic or therapeutic procedures and cannot be purchased by patients.

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