

Anti-GRP78 (N88) In Vivo Antibody - Low Endotoxin

Product Code: ICH1284

More Information

Species Reactivity: Human, Mouse, Rat

Target: GRP78

Concentration: ≥ 5.0 mg/ml

Isotype: Mouse IgG1 Kappa

Host: Mouse

product name H2: Anti-GRP78 (N88) In Vivo Antibody - Low Endotoxin

Aggregation: Aggregation level $\leq 5\%$

Immunogen: A highly conserved epitope on the GRP78 protein, enabling robust cross-reactivity between human, mouse, and rat species

Buffer: ICH3002

UniProt: P11021

Shipping Conditions: Blue ice

background: GRP78 (BiP/HSPA5) is an endoplasmic-reticulum chaperone that, when surface-expressed on stressed and tumour cells, acts as a signalling hub in cancer and the unfolded-protein response. Clone N88 is a mouse IgG1 kappa monoclonal antibody recognizing GRP78 across human, mouse and rat, validated for flow cytometry, immunofluorescence, IHC on paraffin sections, immunoprecipitation and Western blot. Anti-GRP78 clone N88 is supplied in a low-endotoxin format suitable for in vivo use and produced in scalable milligram (mg) to gram (g) quantities for bulk and high-throughput studies. With dependable lot-to-lot reproducibility, it is a versatile reagent for cancer biology

and ER-stress research.

Other names: BiP, HSPA5, Glucose-regulated protein 78 kDa

clone: N88

Specificity: 78 kDa glucose-regulated protein (GRP78), also known as Binding Immunoglobulin Protein (BiP) or HSPA5

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: ≤ 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: Flow Cytometry, Immunofluorescence, IHC Paraffin, Immunoprecipitation, Western Blot

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.