

# Product Data Sheet

## Purified anti-mouse BiP

**Catalog # / Size:** 644401 / 25 µg  
644402 / 100 µg

**Clone:** 76-E6

**Isotype:** Rat IgG2a. κ

**Immunogen:** Mouse BiP:u chain complexes

**Reactivity:** Mouse, Human

**Preparation:** The antibody was purified by affinity chromatography.

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

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.

## Applications:

**Applications:** WB - *Quality tested*

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is  $\leq 1.0$  µg per  $10^6$  cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:** 1. Bole DG, *et al.* 1986. *J Cell Biol* 102:1558

**Description:** Originally identified as an immunoglobulin heavy chain-binding protein in pre-B cells, BiP was found to be involved in stress responses and also as a molecular chaperone in intracellular protein transport, prevention of protein toxicity and direction of protein folding and assembly in the endoplasmic reticulum. Because so many ER proteins interact transiently with BiP, it may play a key role in monitoring protein transport through the cell.

**Antigen References:** 1. Munro S, *et al.* 1986. *Cell* 46:291

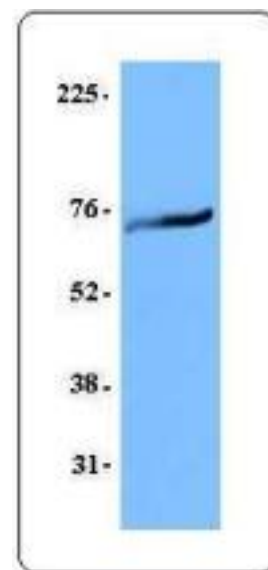
### Related Products:

**Product**  
Purified Rat IgG2a, κ Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)

**Clone**  
RTK2758

### Application

FC, ICC, IF, IHC, IP, WB  
FC, ICC, ICFC  
FC, ICFC



*Hela cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-mouse BiP antibody. Proteins were visualized using a goat anti-rat secondary conjugated to HRP and a chemiluminescence system.*



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