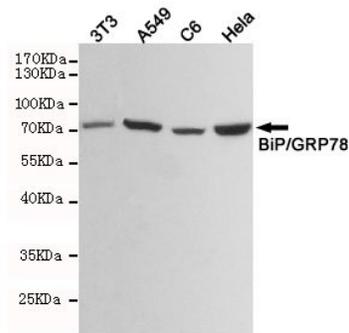


**BiP/GRP78****Mouse monoclonal Antibody****#53562****Catalog Number:** 53562**Amount:** 100µg/100µl**Swiss-Prot No. :** P11021**Gene name:** hspa5**Gene id:** 3309**Clone Number:** 4F11-D5-C10**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human BiP/GRP78 protein fragments expressed in E.coli.**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of BiP/GRP78 and does not cross-react with related proteins**Reactivity:** Human, Mouse, Rat**Applications:** Predicted MW: 78kd WB: 1:1000 IF:1:200

Western blot analysis of extracts from 3T3, A549, C6 and HeLa cell lysates using BiP/GRP78 mouse mAb (1:1000 diluted). Predicted band size: 72KDa. Observed band size: 72KDa.

**Background :**

The protein encoded by this gene is a member of the heat shock protein 70 (HSP70) family. It is localized in the lumen of the endoplasmic reticulum (ER), and is involved in the folding and assembly of proteins in the ER. As this protein interacts with many ER proteins, it may play a key role in monitoring protein transport through the cell.