

# Immunotag™ GRP78/Bip Monoclonal Antibody(8G3)

Antibody Specification	
Catalog No.	ITM3508
Product Description	Immunotag™ GRP78/Bip Monoclonal Antibody(8G3)
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	GRP78/Bip (8G3)
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p
Recommended Dilution	WB 1:1000-2000, IHC 1:100-200
Concentration	1 mg/ml
Reactive Species	Human,Rat
Host Species	Mouse
Immunogen	Synthetic Peptide of GRP78/Bip
Specificity	GRP78/Bip protein detects endogenous levels of GRP78/Bip
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	HSPA5
Accession No.	P11021 P20029 P06761
Alternate Names	HSPA5; GRP78; 78 kDa glucose-regulated protein; GRP-78; Endoplasmic reticulum luminal Ca(2+)-binding protein grp78; Heat shock 70 kDa protein 5; Immunoglobulin heavy chain-binding protein; BiP

## Antibody Specification

Description	heat shock protein family A (Hsp70) member 5(HSPA5) Homo sapiens 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.[provided by RefSeq, Sep 2010],
Cell Pathway/ Category	Antigen processing and presentation,Prion diseases,
Protein Expression	Articular cartilage,Brain,Cajal-Retzius cell,Cervix carcino
Subcellular Localization	nucleus,mitochondrion,endoplasmic reticulum,endoplasmic reticulum lumen,endoplasmic reticulum membrane,smooth endoplasmic reticulum,endoplasmic reticulum-Golgi intermediate compartment,plasma membrane,cell-cell adherens junction,
Protein Function	disease:Autoantigen in rheumatoid arthritis [MIM:180300].,function:Probably plays a role in facilitating the assembly of multimeric protein complexes inside the ER.,similarity:Belongs to the heat shock protein 70 family.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Interacts with DNAJC1 (via J domain) (By similarity). Component of an EIF2 complex at least composed of CUGBP1, CALR, CALR3, EIF2S1, EIF2S2, HSP90B1 and HSPA5. Part a large chaperone multiprotein complex comprising CABP1, DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PPIB, SDF2L1, UGT1A1 and very small amounts of ERP29, but not, or at very low levels, CALR nor CANX. Interacts with TMEM132A.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.