

Anti-GRP78 BiP (4F11) Mouse Monoclonal Antibody

When Chinese hamster K12 cells are starved of glucose, the synthesis of several proteins, called glucose-regulated proteins (GRPs), is markedly increased. Hendershot et al. (1994) (PubMed 8020977) pointed out that one of these, GRP78 (HSPA5), also referred to as 'immunoglobulin heavy chain-binding protein' (BiP), is a member of the heat-shock protein-70 (HSP70) family and is involved in the folding and assembly of proteins in the endoplasmic reticulum (ER).

Product parameters

Introduction

Gene ID3309Gene NameHSPA5SwissProt ID HostP11021 MouseHostP11021 MouseReactivityHuman, Mouse, RatMolecular WeightCalculated MW: 72 kDa; Observed MW: 78 kDaConjugationUnconjugatedEm-Fm-ModificationUnmodifiedClonalityIgG2bIsotypeMoncolanal AntibodyClonality No.AP-17G9B12Clonality No.See labelCorrierCarrier Not FreeImmunogenPurified recombinant human BIP/GRP78 protein expressed in E.coli.PurificationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.ApplicationWB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20Research FieldTags & Cell Markers	Alternative Names	HSPA5; GRP78; 78 kDa glucose-regulated protein; GRP-78; Endoplasmic reticulum lumenal Ca(2+)-binding protein grp78; Heat shock 70 kDa protein 5; Immunoglobulin heavy chain-binding protein; BiP
SwissProt ID Host P11021 Mouse Host Mouse Rat Molecular Weight Calculated MW: 72 kDa; Observed MW: 78 kDa Conjugation Unconjugated Ex - Em - Modification Unmodified Isotype Monoclonal Antibody Clonality IgG2b Isotype Monoclonal Antibody Clonality No. AP-17G9B12 Form Liquid Concentration See label Carrier Carrier Not Free Immunogen Purified recombinant human BiP/GRP78 protein expressed in E.coli. Purification Affinity Purified Butfer System Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Application WB, ICC/IF, IP Dilution Ratio WB: 1/500-1/1000 IF: 1/20 IP: 1/20	Gene ID	3309
HostMouseReactivityHuman, Mouse, RatMolecular WeightCalculated MW: 72 kDa; Observed MW: 78 kDaConjugationUnconjugatedEx-Em-ModificationUnmodifiedClonalityIgG2bIsotypeMonoclonal AntibodyClonality No.AP-17G9B12FormLiquidConcentrationSee labelCarrierCarrier Not FreeImmunogenPurified recombinant human BiP/GRP78 protein expressed in E.coli.PurificationAffinity PurifiedBuffer SystemLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.ApplicationWB, ICC//F, IPDilution RatioWB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20	Gene Name	HSPA5
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ImmunogenPurified recombinant human BiP/GRP78 protein expressed in E.coli.PurificationAffinity PurifiedBuffer SystemLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.ApplicationWB, ICC/IF, IPDilution RatioWB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20	Concentration	See label
PurificationAffinity PurifiedBuffer SystemLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.ApplicationWB, ICC/IF, IPDilution RatioWB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20	Carrier D	Carrier Not Free
Buffer System Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Application WB, ICC/IF, IP Dilution Ratio WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20	Immunogen	Purified recombinant human BiP/GRP78 protein expressed in E.coli.
Application WB, ICC/IF, IP Dilution Ratio WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20	Purification	Affinity Purified
Dilution Ratio WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20	Buffer System	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
	Application	WB, ICC/IF, IP
Research Field Tags & Cell Markers	Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20
	Research Field	Tags & Cell Markers

Product Categories	Primary antibody
Shipping	Blue ice
Storage	-20°C
Expiration Date	12 months
Note	Please avoid freeze-thaw cycles.

Protocol



Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.





