

ERp57 Conjugated Antibody

Catalog No: #C49481



Package Size: #C49481-AF350 100ul #C49481-AF405 100ul #C49481-AF488 100ul
 #C49481-AF555 100ul #C49481-AF594 100ul #C49481-AF647 100ul
 #C49481-AF680 100ul #C49481-AF750 100ul #C49481-Biotin 100ul

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Description

Product Name	ERp57 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	58 kDa glucose regulated protein antibody 58 kDa glucose-regulated protein antibody 58 kDa microsomal protein antibody Disulfide isomerase ER 60 antibody Disulfide isomerase ER-60 antibody Endoplasmic reticulum resident protein 57 antibody Endoplasmic reticulum resident protein 60 antibody ER p57 antibody ER protein 57 antibody ER protein 60 antibody ERp 57 antibody ERp57 antibody ERp60 antibody ERp61 antibody Glucose Regulated Protein 58 Kd antibody GRP 57 antibody GRP 58 antibody GRP57 antibody HsT17083 antibody p58 antibody PDIA 3 antibody PDIA3 antibody PDIA3_HUMAN antibody Phospholipase C alpha antibody PI PLC antibody Protein disulfide isomerase A3 antibody Protein disulfide isomerase family A member 3 antibody Protein disulfide-isomerase A3 antibody
Accession No.	Swiss-Prot#:P30101
Uniprot	P30101
GeneID	2923;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	55 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Mammals defend themselves against intracellular pathogens through presentation of cytoplasmically-derived short pathogenic peptides to the cell surface of cytotoxic T lymphocytes, which subsequently leads to cytotoxic events with respect to the affected cell. Antigen presentation is mediated by major histocompatibility complex (MHC) class I molecules, which bind and coordinate short pathogenic peptides. MHC class I molecules assemble in the endoplasmic reticulum with chaperones before binding to the transporter associated with antigen processing (TAP). ERp57, also designated GRP57, GRP58, ERp60 and ERp61, is a component of the MHC class I pathway that appears to interact with MHC class I molecules before they associate with TAP. The human ERp57 gene maps to chromosome 15q15 and encodes a 505 amino acid protein. ERp57 has two Trp-Cys-Gly-His-Cys-Lys motifs completely conserved among the mammals. ERp57 may act as a protease, a protein disulfide isomerase, a phospholipase or a combination of these.

Note: This product is for in vitro research use only