CBR1 Conjugated Monoclonal Antibody

Catalog No: #C27187

Package Size: #C27187-AF350 100ul #C27187-AF405 100ul #C27187-AF488 100ul #C27187-AF555 100ul #C27187-AF594 100ul #C27187-AF647 100ul #C27187-AF680 100ul #C27187-AF750 100ul #C27187-Biotin 100ul

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Description

Product Name	CBR1 Conjugated Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of CBR1,and does not cross-react with related proteins.
Immunogen Description	Purified recombinant human CBR1 protein fragments expressed in E.coli
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	15 hydroxyprostaglandin dehydrogenase [NADP+]; 15-hydroxyprostaglandin dehydrogenase [NADP+]; Carbonyl reductase [NADPH] 1; Carbonyl Reductase 1; CBR 1; CBR1; CBR1_HUMAN; CRN; NADPH dependent carbonyl reductase 1; NADPH-dependent carbonyl reductase 1;
Accession No.	Swiss-Prot#: P16152NCBI Gene ID:873
Uniprot	P16152
GeneID	873;
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
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

NADPH-dependent reductase with broad substrate specificity.Catalyzes the reduction of a wide variety of carbonyl compounds including quinones,prostaglandins, menadione,plus various xenobiotics.Catalyzes the reduction of the antitumor anthracyclines doxorubicin and daunorubicin to the cardiotoxic compounds doxorubicinol and daunorubicinol. Can convert prostaglandin E2 to prostaglandin F2-alpha.Can bind glutathione,which explains its higher affinity for glutathione-conjugated substrates.Catalyzes the reduction of S-nitrosoglutathione.

Note: This product is for in vitro research use only