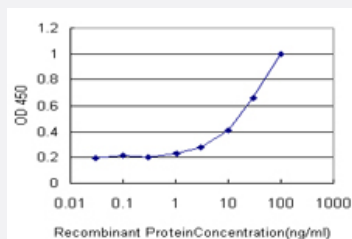


CBR1 monoclonal antibody (M01), clone 4G11-1C7

Catalog # H00000873-M01

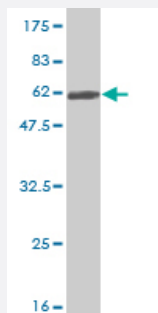
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CBR1 is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (56.21 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant CBR1.

Immunogen

CBR1 (AAH02511.1, 1 a.a. ~ 277 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MSSGIHVALVTGGNKGIGLAIVRDLCLFSGDVVLTARDVTRGQAAVQQQLQAEGLSPRFHQLDIDD
LQSIRALRDFLRKEYGGDLVLVNNAGIAFKVADPTPFHIQAEVTMKTNFFGTRDVCTELLPLIKPQG
RVVNVSSIMSVRALKSCSPELQQKFRSETITEEELVGLMNKFVEDTKKGVHQKEGWPSAYGVT
KIGVTVLSRIHARKLSEQRKGDKILLNACCPGWVRTDMAGPKATKSPEEGAETPVYLALLPPDAE
GPHGQFVSEKRVEQW

Host

Mouse

Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (56.21 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CBR1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CBR1

Entrez GeneID	873
GeneBank Accession#	BC002511
Protein Accession#	AAH02511.1
Gene Name	CBR1
Gene Alias	CBR, SDR21C1, hCBR1
Gene Description	carbonyl reductase 1
Omim ID	114830
Gene Ontology	Hyperlink

Gene Summary

Carbonyl reductase is one of several monomeric, NADPH-dependent oxidoreductases having wide specificity for carbonyl compounds. This enzyme is widely distributed in human tissues. Another carbonyl reductase gene, CRB3, lies close to this gene on chromosome 21q. [provided by RefSeq]

Other Designations

carbonyl reductase (NADPH) 1|prostaglandin 9-ketoreductase|prostaglandin-E(2) 9-reductase|short chain dehydrogenase/reductase family 21C, member 1

Publication Reference

- [Two non-synonymous single nucleotide polymorphisms of human carbonyl reductase 1 demonstrate reduced in vitro metabolism of daunorubicin and doxorubicin.](#)

Bains OS, Karkling MJ, Grigliatti TA, Reid RE, Riggs KW.

Drug Metabolism and Disposition 2009 May; 37(5):1107.

Application: WB-Re, Recombinant protein

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)