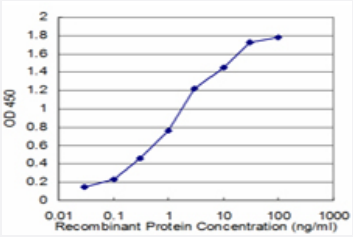
FMR1 monoclonal antibody (M03), clone 3E11

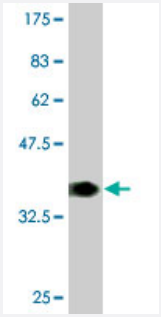
Catalog # H00002332-M03 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FMR1 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant FMR1.
Immunogen	FMR1 (NP_002015, 121 a.a. ~ 220 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ATKDTFHKIKLDVPEDLRQMCAKEAAHKDFKKAVGAFSVTYDPENYQLVILSINEVTSKRAHMLIDMHFRSLRTKLSLIMRNEEASKQLESSRQLASRFH
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 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 FMR1 is approximately 0.03ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — FMR1

Entrez GeneID	2332
GeneBank Accession#	NM_002024
Protein Accession#	NP_002015
Gene Name	FMR1
Gene Alias	FMRP, FRAXA, MGC87458, POF, POF1
Gene Description	fragile X mental retardation 1
Omim ID	300623 300624 309550
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene binds RNA and is associated with polysomes. The encoded pr otein may be involved in mRNA trafficking from the nucleus to the cytoplasm. A trinucleotide repea t (CGG) in the 5' UTR is normally found at 6-53 copies, but an expansion to 55-230 repeats is the cause of fragile X syndrome. Expansion of the trinucleotide repeat may also cause one form of pr emature ovarian failure (POF1). [provided by RefSeq
Other Designations	OTTHUMP00000024197|premature ovarian failure 1

Publication Reference

- A quantitative homogeneous assay for fragile X mental retardation 1 protein.

  Schutzius G, Bleckmann D, Kapps-Fouthier S, di Giorgio F, Gerhartz B, Weiss A.

  Journal of Neurodevelopmental Disorders 2013 Apr; 5(1):8.

  Application: PI, TR-FRET, WB-Re, Human, Human fibroblasts, Recombinant protein

Disease

- Ataxia
- Ataxia telangiectasia
- Attention
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Cerebellar Ataxia
- Cognition
- Cognition Disorders
- Dementia
- Disease Progression
- Essential tremor
- Fetal Diseases
- Fragile X syndrome
- Genetic Predisposition to Disease
- Genomic Instability
- Hallucinations
- Huntington disease
- Infertility

- Inhibition (Psychology)
- Intelligence Tests
- Memory
- Menopause
- Mental Disorders
- Mental Processes
- Mental Retardation
- Mental Status Schedule
- Multiple System Atrophy
- Neuropsychological Tests
- Obesity
- Olivopontocerebellar Atrophies
- Osteoporosis
- Ovarian Diseases
- Ovarian Failure
- Parkinson disease
- Parkinsonian Disorders
- Polycystic Ovary Syndrome
- Primary Ovarian Insufficiency
- Psychotic Disorders
- Puberty
- Reaction Time
- Schizophrenia
- Spinocerebellar ataxia
- Spinocerebellar Ataxias
- Spinocerebellar Degenerations

- Thrombophilia
- Tobacco Use Disorder
- Tremor