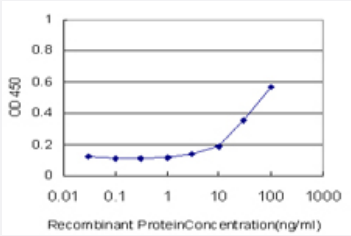
F8 monoclonal antibody (M03), clone 1E8

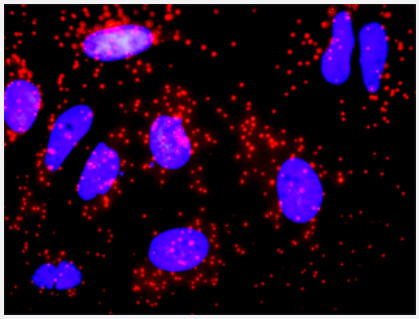
Catalog # H00002157-M03 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged F8 is approximately 3ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between CALR and F8. HeLa cells were stained with anti-CALR rabbit purified polyclonal 1:1200 and anti-F8 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant F8.
Immunogen	F8 (NP_000123, 213 a.a. ~ 312 a.a) partial recombinant protein with GST tag. MW of the GST tag al one is 26 KDa.
Sequence	KFILLFAVFDEGKSWHSETKNSLMQDRDAASARAWPKMHTVNGYVNRSLPGLIGCHRKSVYWHV IGMGTTPEVHSIFLEGHTFLVRNHRQASLEISPITF
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged F8 is approximately 3ng/ml as a capture antibody.

  Protocol Download

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

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Gene Info — F8

Entrez GeneID	2157
GeneBank Accession#	NM_000132
Protein Accession#	NP_000123
Gene Name	F8
Gene Alias	AHF, DXS1253E, F8B, F8C, FVIII, HEMA
Gene Description	coagulation factor VIII, procoagulant component
Omim ID	306700
Gene Ontology	Hyperlink

Gene Summary	This gene encodes coagulation factor VIII, which participates in the intrinsic pathway of blood coagulation; factor VIII is a cofactor for factor IXa which, in the presence of Ca+2 and phospholipids, converts factor X to the activated form Xa. This gene produces two alternatively spliced transcripts. Transcript variant 1 encodes a large glycoprotein, isoform a, which circulates in plasma and associates with von Willebrand factor in a noncovalent complex. This protein undergoes multiple cleavage events. Transcript variant 2 encodes a putative small protein, isoform b, which consists primarily of the phospholipid binding domain of factor VIIIc. This binding domain is essential for coagulant activity. Defects in this gene results in hemophilia A, a common recessive X-linked coagulation disorder. [provided by RefSeq
Other Designations	OTTHUMP00000061446|OTTHUMP00000196174|coagulation factor VIII|coagulation factor VIIIc|factor VIII F8B|procoagulant component

Pathway

- Complement and coagulation cascades

Disease

- Abortion
- Activated Protein C Resistance
- Anemia
- Arteriosclerosis
- Atherosclerosis
- Autoimmune Diseases
- Cardiovascular Diseases
- Cerebral Hemorrhage
- Cerebrovascular Disorders
- Chromosome Inversion
- Coronary Disease
- Diabetes Mellitus
- Disease Progression
- Edema

- Fetal Growth Retardation
- Genetic Predisposition to Disease
- Hemophilia A
- Hyperlipidemias
- Hypertension
- Inversion
- Ischemic Attack
- Migraine Disorders
- Myocardial Infarction
- Recurrence
- Retinal Artery Occlusion
- Retinal Vein Occlusion
- Stroke
- Thromboembolism
- Thrombophilia
- Thrombosis
- Venous Thrombosis