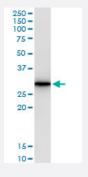


AREG monoclonal antibody (M06), clone 3E4

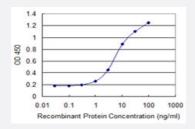
Catalog # H00000374-M06 Size 100 ug

Applications



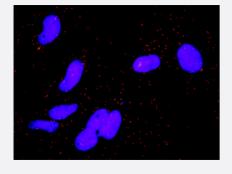
Western Blot (Tissue lysate)

AREG monoclonal antibody (M06), clone 3E4. Western Blot analysis of AREG expression in human pancreas.



Sandwich ELISA (Recombinant protein)

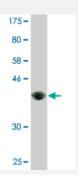
Detection limit for recombinant GST tagged AREG is 0.3 ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between CCND3 and AREG. HeLa cells were stained with anti-CCND3 rabbit purified polyclonal 1:1200 and anti-AREG mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).





Western Blot detection against Immunogen (37.73 KDa).

Specification	
Product Description	Mouse monoclonal antibody raised against a partial recombinant AREG.
Immunogen	AREG (AAH09799, 20 a.a. ~ 129 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SGHYAAGLDLNDTYSGKREPFSGDHSADGFEVTSRSEMSSGSEISPVSEMPSSSEPSSGADYD YSEEYDNEPQIPGYIVDDSVRVEQVVKPPQNKTESENTSDKPKRKKK
Host	Mouse
Reactivity	Human
Isotype	lgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 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 (Tissue lysate)

AREG monoclonal antibody (M06), clone 3E4. Western Blot analysis of AREG expression in human pancreas.

Protocol Download

Western Blot (Recombinant protein)

Protocol Download



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AREG is 0.3 ng/ml as a capture antibody.

Protocol Download

- ELISA
- In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between CCND3 and AREG. HeLa cells were stained with anti-CCND3 rabbit purified polyclonal 1:1200 and anti-AREG mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — AREG	
Entrez GenelD	<u>374</u>
GeneBank Accession#	BC009799
Protein Accession#	<u>AAH09799</u>
Gene Name	AREG
Gene Alias	AR, CRDGF, MGC13647, SDGF
Gene Description	amphiregulin
Omim ID	<u>104640</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	The protein encoded by this gene is a member of the epidermal growth factor family. It is an autoc rine growth factor as well as a mitogen for astrocytes, Schwann cells, and fibroblasts. It is related to epidermal growth factor (EGF) and transforming growth factor alpha (TGF-alpha). This protein interacts with the EGF/TGF-alpha receptor to promote the growth of normal epithelial cells and inhibits the growth of certain aggressive carcinoma cell lines. This encoded protein is associated with a psoriasis-like skin phenotype. [provided by RefSeq
Other Designations	OTTHUMP00000160473 colorectum cell-derived growth factor schwannoma-derived growth factor

Pathway

ErbB signaling pathway



Disease

- Genetic Predisposition to Disease
- Ovarian Neoplasms