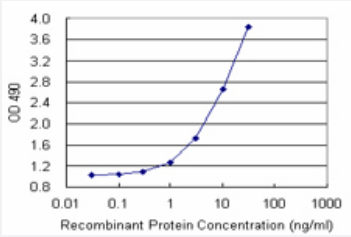
DFFA (Human) Matched Antibody Pair

Catalog # H00001676-AP11 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from 0.3 ng/ml to 100 ng/ml.

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human DFFA.
Reactivity	Human
Quality Control Testing	Standard curve using recombinant protein (H00001676-P01) as an analyte. Sandwich ELISA detection sensitivity ranging from 0.3 ng/ml to 100 ng/ml.
Supplied Product	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-DFFA (100 ug) 2. Detection antibody: mouse monoclonal anti-DFFA, IgG2a Kappa (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Recombinant protein)

Protocol Download

Gene Info — DFFA

Entrez GeneID	1676
Gene Name	DFFA
Gene Alias	DFF-45, DFF1, ICAD
Gene Description	DNA fragmentation factor, 45kDa, alpha polypeptide
Omim ID	601882
Gene Ontology	Hyperlink
Gene Summary	Apoptosis is a cell death process that removes toxic and/or useless cells during mammalian development. The apoptotic process is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF) is a heterodimeric protein of 40-kD (DFFB) and 45-kD (DFFA) subunits. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF becomes activated when DFFA is cleaved by caspase-3. The cleaved fragments of DFFA dissociate from DFFB, the active component of DFF. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq
Other Designations	DFF45|DNA fragmentation factor, 45 kD, alpha polypeptide|DNA fragmentation factor, 45 kD, alpha subunit|OTTHUMP00000001903|OTTHUMP00000001904

Pathway

- Apoptosis

Disease

- Celiac Disease
- Genetic Predisposition to Disease