

# CoraLite® Plus 488-conjugated ERK1/2 Monoclonal antibody

Catalog Number: **CL488-67170**

## Basic Information

Catalog Number:

CL488-67170

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

NM\_002746

GeneID (NCBI):

5595

UNIPROT ID:

P27361

Full Name:

mitogen-activated protein kinase 3

Calculated MW:

38-43 kDa

Observed MW:

38-44 kDa

Purification Method:

Protein A purification

CloneNo.:

1A3D3

Excitation/Emission maxima  
wavelengths:

488 nm / 515 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, Mouse, Rat

## Background Information

ERK1 and ERK2 belongs to the protein kinase superfamily. It is involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. ERK1/2 catalyzed the reaction: ATP + a protein = ADP + a phosphoprotein. It is activated by tyrosine phosphorylation in response to INS and NGF. This antibody can recognize both ERK1 and ERK2 with the molecular mass of 38-44 kDa.

## Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

