

## Mouse monoclonal antibody to diphosphorylated ERK1 and ERK2 [IL-13]: IgG

<b>Catalogue No.:</b>	M-983-100
<b>Description:</b>	Extracellular signal regulated kinase (ERK), also known as mitogen activated protein kinase (MAPK), is a family with two homologous members; ERK1 (MAPK3) and ERK2 (MAPK1). This antibody reacts with the active forms of these proteins that have specific phosphorylated Threonine and Tyrosine residues within a Thr-Glu-Tyr motif (Thr202/Tyr204 for ERK1 and Thr185/Tyr187 for ERK2).
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	Synthetic peptide of 11 residues (HTGFLTEYVAT) conjugated to KLH. This antibody reacts with the epitope containing phosphorylated threonine and tyrosine residues within the regulatory site of active ERK1 and ERK2 (Thr202/Tyr204 for ERK1 and Thr185/Tyr187 for ERK2).
<b>Clone:</b>	IL-13
<b>Other Names:</b>	MAPK; mitogen activated protein kinase; ERK1; ERK2; Extracellular signal-regulated kinase 1; 2; ERK-1; Insulin-stimulated MAP2 kinase; MAP kinase 1; MAPK 1; p44-ERK1; ERT2; p44-MAPK; ERK-2; MAP kinase 2; MAPK 2; p42-MAPK; ERT1;
<b>Accession:</b>	P27361 MK03_HUMAN; P28482 MK01_HUMAN
<b>Produced in:</b>	Mouse
<b>Purity:</b>	IgG
<b>Applications:</b>	Western Blotting (WB). A concentration of 0.25-0.50 ug/mL is recommended for WB. Human ERK1 has a predicted length of 379 residues and MW of 43 kDa. Human ERK2 has a predicted length of 360 residues and MW of 41 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB against the antigen.
<b>Cross-reactivity:</b>	Human; mouse; rat; yeast
<b>Form:</b>	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg Na <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase.

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