

## Product datasheet for **AM20636PU-N**

### ERK1 / ERK2 Mouse Monoclonal Antibody [Clone ID: IL-13]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	IL-13
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 0.25 - 0.5 µg/ml. Immunohistochemistry on paraffin sections: 0.4 - 1 µg/ml. Immunocytochemistry.
Reactivity:	Human, Insect, Mouse, Rat, Yeast
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody reacts to ERK1 / ERK2.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Background:**

In mammalian cells, a variety of extracellular stimuli generate intracellular signals that converge on a limited number of so-called mitogen-activated protein (MAP) kinase pathways. The central core of each MAP kinase (MAPK) pathway is a conserved cascade of 3 protein kinases: an activated MAPK kinase kinase (MAPKKK) phosphorylates and activates a specific MAPK kinase (MAPKK), which then activates a specific MAPK. Mek1/2 MAPK kinases are essential for mammalian development, homeostasis, and Raf-induced hyperplasia. Germline mutations in genes within the MAPK pathway cause cardio-facio-cutaneous syndrome.

**Synonyms:**

ERK-1/ERK-2, MAPK1/MAPK2, P42/P44-MAPK