

Datasheet for ABIN1379692

Phospho ERK1/2 Flex Set (Bead C4)[1 Image](#)[1 Publication](#)[Go to Product page](#)

Overview

Quantity:	100 tests
Target:	ERK1/2 (MAPK1/3)
Binding Specificity:	pThr202, pTyr204
Reactivity:	Human, Mouse, Rat
Application:	Immunoassay (IA), Flow Cytometry (FACS)

Product Details

Brand: BD™ Cytometric Bead Array, BD™

Characteristics: The BD™ CBA Phospho ERK1/2 (T202/Y204) Flex Set is a bead-based immunoassay capable of measuring human, mouse, or rat extracellular signal regulated kinases 1/2 (ERK1/2), a member of the mitogen-activated protein kinase (MAPK) family of kinases, that has been threonine-phosphorylated at Thr-202 and tyrosine-phosphorylated at Tyr-204 in denatured cell lysate samples. Human and mouse reactivity was determined by testing cell lysates with the BD CBA Phospho ERK1/2 (T202/Y204) Flex Set. Reactivity with rat samples was determined by western blot for each of the antibodies used in the BD CBA Phospho ERK1/2 (T202/Y204) Flex Set. The biology and function of ERK1/2 has been previously reviewed. For more information on bead-based immunoassays, refer to the product insert for the BD CBA Cell Signaling Master Buffer Kit (Cat. No. 560005 or 560006).

This BD™ CBA Flex Set contains one vial of each component listed above. All components of this flex set have been formulated to a 50x concentration to ensure product performance when multiplexed. Store at 4°C. Protect Capture Beads and the PE Detection Reagent from prolonged exposure to light.

The Phospho ERK1/2 (T202/Y204) Standard provided in this Flex Set is lyophilized and the

Product Details

standard sphere should be transferred to a 1.5 mL microfuge tube for reconstitution.

Reconstitute the standard with 0.1 mL Assay Diluent from the BD CBA Cell Signaling Master Buffer Kit (Cat. No. 560005/560006), warm to 37 °C and vortex prior to use. After reconstitution, the standard concentration is 50,000 Units/mL and is stable for 3 months when stored at 4 °C. When using reconstituted standard, warm to 37 °C and vortex to mix thoroughly before use.

Components: Capture beads, detection reagent, standards

Target Details

Target: ERK1/2 (MAPK1/3)

Alternative Name: ERK1/2 ([MAPK1/3 Products](#))

Application Details

Comment: Bead Position: C4

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: Reconstitute the standard with 0.1 mL Assay Diluent from the BD CBA Cell Signaling Master Buffer Kit (Cat. No. 560005/560006), warm to 37 °C and vortex prior to use. After reconstitution, the standard concentration is 50,000 Units/mL and is stable for 3 months when stored at 4 °C. When using reconstituted standard, warm to 37 °C and vortex to mix thoroughly before use.

Buffer: Aqueous buffered solution containing BSA and ≤0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: This BD™ CBA Flex Set contains one vial of each component listed above. All components of this flex set have been formulated to a 50x concentration to ensure product performance when multiplexed. Store at 4°C. Protect Capture Beads and the PE Detection Reagent from prolonged exposure to light. The Phospho ERK1/2 (T202/Y204) Standard provided in this Flex Set is lyophilized and the standard sphere should be transferred to a 1.5 mL microfuge tube for

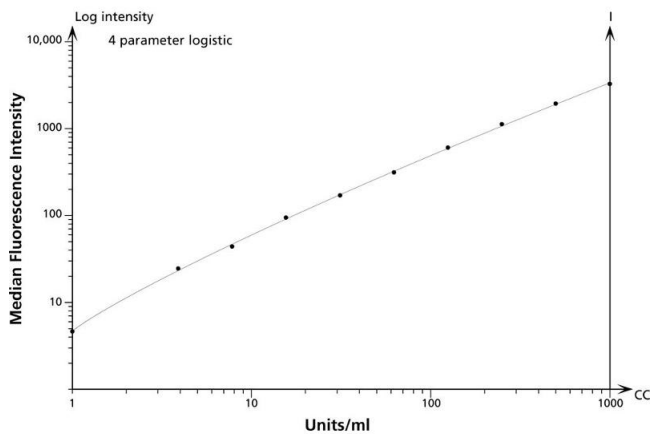
Handling

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Publications

Product cited in: Boldt, Kolch: "Targeting MAPK signalling: Prometheus' fire or Pandora's box?" in: **Current pharmaceutical design**, Vol. 10, Issue 16, pp. 1885-905, (2004) ([PubMed](#)).

Images



ELISA

Image 1.