

Technical Data Sheet

Purified Mouse anti-CrkL (pY207)

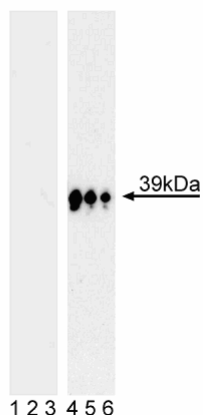
Product Information

Material Number:	558386
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	K30-391.11.30
Immunogen:	Phosphorylated Human, Mouse, and Rat CrkL Peptide
Isotype:	Mouse (BALB/c) IgG2a, κ
Reactivity:	QC Testing: Human
Target MW:	39 kDa
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

Crk-Like (CrkL) is an adaptor protein that is preferentially expressed in hematopoietic cells and is encoded by a gene that is homologous to the viral oncogene *v-crk* (chicken tumor virus no. 10 regulator of kinase). Its SH2 and SH3 domains bind to a variety of effector proteins, such as paxillin, p130Cas, c-Cbl, c-Abl, and C3G. These interactions are involved in the regulation of cellular migration, adhesion, and transformation. Tyrosine 207 (Y207) of CrkL is phosphorylated in activated hematopoietic cells and in chronic myelogenous leukemia. This site may be a negative regulator of protein complex formation and biological activity.

The K30-391.11.30 monoclonal antibody recognizes the phosphorylated Y207 of human CrkL.



Western blot analysis of CrkL (pY207) in human chronic myelogenous leukemia. Lysates from the K-562 cell line (Cat. no. 611550) were probed with purified mouse anti-CrkL (pY207) monoclonal antibody at concentrations of 0.0125 (lanes 1 and 4), 0.00625 (lanes 2 and 5), and 0.00312 $\mu\text{g/ml}$ (lanes 3 and 6) with (lanes 1-3) or without (lanes 4-6) lambda protein phosphatase treatment. CrkL (pY207) is identified as a band of 39 kDa in the untreated cells.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Store undiluted at 4°C.

Application Notes

Application

Western blot	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
554002	HRP Goat Anti-Mouse Ig	1.0 ml	(none)
611550	K-562 Cell Lysate	500 μg	(none)

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- Please refer to www.bdbiosciences.com/pharmlingen/protocols for technical protocols.
- Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

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References

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