Technical Data Sheet

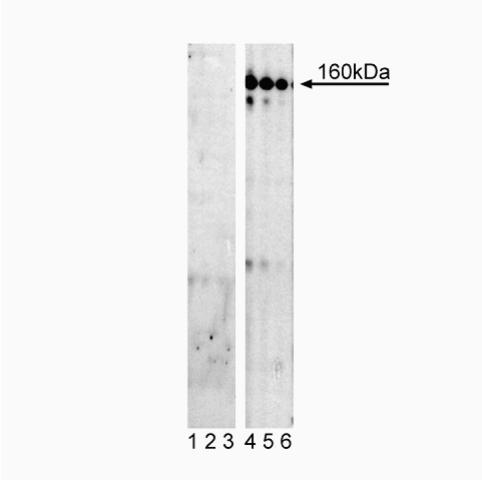
Purified Mouse anti-Bcr (pY177)

Product Information

Material Number:	**558248**
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	J52-309
Immunogen:	Phosphorylated Human Bcr Peptide
Isotype:	Mouse IgG2b, κ
Reactivity:	QC Testing: Mouse Reported: Human
Target MW:	160, 210 kDa
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The *BCR* (breakpoint clustoer region) gene was first identified by its presence in the *BCR-ABL* fusion oncogene of the Philadelphia chromosome associated with chronic myelogenous leukemia. The Bcr protein has serine/threonine kinase activity and participates in platelet-derived growth factor (PDGF)-mediated signal transduction. The Tyrosine 177 (Y177) of the Bcr portion of Bcr-Abl plays an important role in the induction of myeloproliferative disease.
The J52-309 antibody recognizes Bcr (160 kDa) and Bcr-Abl (210 kDa) proteins phosphorylated at Y177.



Western blot analysis of Bcr (pY177). *Lysates from control (lanes 1-3) and PDGF-treated (lanes 4-6) NIH/3T3 mouse embryo cell line were probed with mAb J52-309 at 0.25 (lanes 1 and 4) , 0.0125 (lanes 2 and 5), and 0.0625 µg/ml (lanes 3 and 6). Bcr (pY177) is identified as a band of 160 kDa in treated 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

Suggested Companion Products

Catalog Number	Name	Size	Clone
554002	HRP Goat Anti-Mouse Ig	1.0 ml	(none)

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. 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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