



PRODUCT DATA SHEET

Product: Anti-Bcrp mAb, clone BXP-53

Cat. No.: MC-981 (1 mL)

Specificity:

BXP-53 reacts with an internal epitope of Breast Cancer Resistance Protein (Bcrp, Abcg2), a 70 kDa transmembrane half-transporter which is involved in multidrug resistance. BXP-53 also reacts with the human BCRP molecule.

Species Reactivity:

Human and mouse. Others not tested.

Ig Isotype:

Rat IgG_{2a}

Immunogen:

A fusion protein containing a fragment of the mouse Bcrp protein corresponding to amino acids 221-394 and *E. coli* maltose-binding protein.

Format:

1 mL of 0.2 µm filtered antibody solution at 100 µg/mL in PBS with protein stabilizer and 0.02% sodium azide.

Storage:

Store at 4°C for short term. Aliquot and store at -20°C for long term. Avoid repeated freeze/thaw cycles.

Applications and Suggested Dilutions:

- Immunocytochemistry: Use at a 1:20-1:50 dilution on acetone-fixed cytospin preparations.
- Immunohistochemistry: Use at a 1:20 dilution on acetone-fixed frozen sections, followed by incubation with biotin-labeled rabbit anti-rat IgG and HRP-labeled streptavidin.
- Western blot: Use at a 1:20-1:50 dilution, followed by HRP-labeled anti-rat IgG.
- Flow cytometry: Optimal conditions still to be determined.

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.