



PRODUCT DATA SHEET

Product: Anti-Dibromo-Tyrosine (DiBrY) mAb, clone 3A5

Cat. No.: MC-1102 (20 µg)

Immunogen:

Brominated keyhole limpet hemocyanin

Specificity:

Specific for dihalogenated tyrosine. Recognize dibromotyrosine (DiBrY), N-acetylated dichloro tyrosine (NAcDiClY), diiodo tyrosine (DiIY), N-bromosuccinimide-treated BSA, HOCl-treated BSA and dibromo-tyrosone conjugated BSA. Cross reactivity was checked for dityrosine-conjugated BSA, peroxydinitrite-treated BSA, tyrosine (Y), chlorotyrosine (ClY), 3-3'dityrosine (DiY), 3-aminotyrosine (NH₂Y), 3-nitrotyrosine (NO₂Y), phenylalanine (Phe), o-phosphotyrosine, 3,4-dihydroxyphenylacetic acid (DOPA) and 2-hydroxy-4-phenylacetic acid. Bromotyrosine (BrY) is weakly recognized.

Ig Isotype:

Mouse IgG_{1/k}

Format:

Monoclonal antibody at 100 µg/mL in 10 mM PBS (pH 7.4). Protein-A purified. Reconstitute with 200 µL of distilled water.

Storage:

Store at less than -20°C. For long term storage, aliquot to avoid repeated freeze/thaw cycles.

Application and Suggested Dilution:

- Immunohistochemistry (10 µg/mL)
- Western blot

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.