



DataSheet

CATALOGUE #: 4T15

PRODUCT NAME: Monoclonal mouse anti-transferrin

MAbs: 1C10, 8B9, 11D3, 12A6

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of a Balb/c mice immunized with purified transferrin from pooled human plasma (1C10) or with placental transferrin receptor or transferrin (8B9, 11D3, 12A6).

Specificity: Human transferrin.

Complex between transferrin and soluble transferrin receptor for MAbs 8B9 and 11D3.

MAb 1C10 does not cross-react with mouse, rabbit, bovine transferrin and with human lactoferrin.

MAb isotypes: IgG1 for MAbs 1C10, 8B9, 11D3, 12A6

Applications: Detection of transferrin in serum by sandwich immunoassay. Detection of transferrin - transferrin receptor complex by sandwich ELISA. All MAbs are working in ELISA.

Recommended pairs for transferrin detection by sandwich immunoassay (capture-detection):

8B9 – 11D3

8B9 – 12A6

1C10 – 12A6

11D3 – 1C10

11D3 – 8B9

Recommended MAbs for transferrin-transferrin receptor complex detection by ELISA sandwich method using anti-transferrin receptor MAb 23D10 (cat.No # 4Tr26) as capture MAb:

23D10 – 8B9, 23D10 – 11D3

MAb 1C10 inhibits proliferation of Con-A stimulated peripheral blood lymphocytes.

Purification: Protein A chromatography for 8B9, 11D3, 12A6

Protein G chromatography for 1C10

Presentation: PBS, pH 7.4, 0.09 % sodium azide (NaN₃)

Storage: +4 °C (+2 ... +8 °C allowed)

Material safety note: This product is sold **for research use only**. Standard Laboratory Practices should be followed when handling this material.

Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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