

CATALOGUE #: 4T15

PRODUCT NAME: Monoclonal mouse anti-transferrin

MAbs *in vitro*: **1C10cc**
Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

MAbs *in vivo*: **8B9, 11D3, 12A6**
Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

Immunogen: Transferrin purified from pooled human plasma

Specificity: Human transferrin.
Complex between transferrin and soluble transferrin receptor for 8B9 and 11D3.
1C10cc does not cross-react with mouse, rabbit, bovine transferrin and with human lactoferrin.

MAb isotypes: **IgG1** for 1C10cc, 8B9, 11D3, 12A6

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

Recommended pairs for transferrin detection by sandwich immunoassay:

Capture	Detection
8B9	11D3
8B9	12A6
1C10cc	12A6
11D3	1C10cc
11D3	8B9

Recommended pairs for transferrin-transferrin receptor complex detection by sandwich immunoassay using anti-transferrin receptor 23D10 (Cat.# 4Tr26) as capture MAb:

Capture	Detection
23D10	8B9
23D10	11D3

1C10cc inhibits proliferation of Con-A stimulated peripheral blood lymphocytes.

Purification: Protein A chromatography

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 or further manufacturing 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.