

PERFORMANCE DATA SHEET

1840

Monoclonal anti-human DR3/Biotin*

mAb name/Clone: ANC2D12

Isotype: Mouse IgG1 κ

Immunogen: Recombinant DR3

CATALOG#: 250-030

QUANTITY: 100 μ g

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human DR3 (TRAMP, LARD) was designated TNF receptor superfamily member 25. TL1A is a ligand which can induce apoptosis through a cytoplasmic death domain similar to the CD178-CD95 (FasL-Fas) interaction. Alternatively, engagement of DR3 on T cells can synergize with other activating signals to enhance IFN γ production. Clone ANC2D12 binds specifically to recombinant DR3 in EIA, but does not inhibit DR3 binding to TL1A.

REFERENCES: (1) A Kaptein, et al. (2000) FEBS Lett 485:135. (2) T Migone, et al. (2002) Immunity 16:479. (3) S Targin, et al. (2004) 172: 7002.

STORAGE CONDITIONS: Store at 2 - 5°C. Freeze/thawing not recommended.

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Anti-DR3/Biotin was tested for its ability to detect captured DR3-muIg in EIA. Goat anti-Mouse Ig coated plate was washed and incubated with varying amounts of DR3-muIg (cat#528-020). Plate wells were flooded with 50 μ l of a mixture of 200 μ g/ml Mouse IgG (Sigma tech grade) and 200 μ g/ml monoclonal Mouse IgG1 (cat#278-020). This was to block remaining active GAM sites. Fifty μ l of anti-DR3/Biotin was added and incubated at a final concentration of 1 μ g/ml. Plates were washed twice and incubated with Streptavidin/HRP after which they were washed three times, developed with TMB/H202 substrate/chromagen, fixed with 2N H2SO4 and read at 450nm. Captured DR3-muIg was detectable at 5 ng/ml.

***Research use only. Not for use in Diagnostic procedures.**

anti-DR3/Biotin detects captured DR3-muIg in EIA

