## PERFORMANCE DATA SHEET

1840

## Monoclonal anti-human DR3/Biotin\*



*mAb name/Clone:* ANC2D12 *Isotype:* Mouse IgG1κ

Immunogen: Recombinant DR3

**CATALOG#: 250-030 QUANTITY: 100 μg** 

**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 IFNγ 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<sup>o</sup>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:\_\_\_\_\_\_

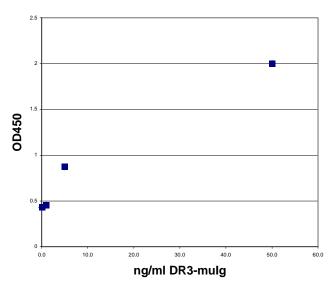
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**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 $\mu$ l of a mixture of 200 $\mu$ g/ml Mouse IgG (Sigma tech grade) and 200 $\mu$ g/ml monoclonal Mouse IgG1 (cat#278-020). This was to block remaining active GAM sites. Fifty  $\mu$ l of anti-DR3/Biotin was added and incubated at a final concentration of  $1\mu$ 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 DR3mulg in EIA



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