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MOUSE ANTI-OVINE IL-6 MONOCLONAL ANTIBODY

CATALOG NUMBER:	MAB1004
LOT NUMBER:	19030072
QUANTITY:	250 µg
CONCENTRATION:	1 mg/mL
SPECIFICITY:	Reacts with ovine IL-6. No reactivity detected to recombinant ovine IL-1 β , IL-8, MCP or TNF α .
IMMUNOGEN:	Recombinant ovine IL-6
ISOTYPE:	IgG ₁
APPLICATIONS:	Capture antibody in ELISA. Recommended coating concentration 5 µg/mL. See suggested protocol. Optimal working dilutions must be determined by the end user.
SPECIES REACTIVITY:	The antibody is likely to react with caprine (goat) IL-6.
FORMAT:	Purified immunoglobulin.
PRESENTATION:	Liquid in PBS containing 0.1% sodium azide.
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to 12 months. Avoid repeated freeze/thaw cycles.

For research use only; not for use as a diagnostic.



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Suggested ELISA Protocol For Ovine IL-6

1. Coat high capacity microtitre wells (e.g. Nunc maxisorp) with monoclonal anti-IL-6 antibody (Chemicon Catalog Number MAB1004) at a concentration of 5 µg/mL in 0.1 M carbonate buffer pH 9.6 overnight at 4°C.
2. Wash wells 3 x with PBS + 0.05% Tween 20 (PBST).
3. Add samples to wells. Incubate at room temperature in a humidified box for 1 hour. Wash 3 x with PBST.
4. Dilute rabbit anti-IL-6 (Chemicon Catalog Number AB1839) 1:500 in PBST and add 100 µL to wells. Incubate at room temperature for 30 minutes. Wash 3 x with PBST.
5. Dilute anti-rabbit IgG-HRP to appropriate level in PBST and add 100 µL to wells. Incubate 30 minutes at room temperature. Wash 3 x with PBST.
6. Add 100 µL of TMB chromagen to each well. Incubate for 5-10 minutes and stop reaction with 50 µL of 2M sulfuric acid.

Notes:

The anti-rabbit IgG HRP must be adsorbed against mouse immunoglobulin, and should be checked for non-reactivity with coated plates.

Non-specific binding may be reduced by addition of protein such as skim milk powder to the diluents.

Assay sensitivity may be altered by adjusting incubation times and reagent concentrations.