



Antibody Specification Sheet

Anti-human CD152 - Biotin conjugate



Catalog reference: AS33-B
Size: 0.1 mg

Antibody Information:

Antigen: recombinant expressed extra-cellular domain of human CD152.

Ig Class: mIgG1.

Form: biotin conjugate.

Specificity: recognizes the extra-cellular domain of human CD152 (also called CTLA-4).

Antibody Source: monoclonal antibody from BALB/c-derived hybridoma AS33.

Production: *in vitro* cell culture.

Purification: Protein A agarose chromatography.

Purity: ≥95%.

Concentration: 1mg/ml

Formulation: provided as a 0.2 µm sterile-filtered solution in phosphate buffered saline with 0.05% Proclin950.

Recommendations: Neutralization, ELISA.

Storage conditions: store undiluted at 4°C.

Applications:

Neutralization: AS33 has been shown to block the interaction of soluble hCD152 with hCD80

Elisa: AS33-B has been used as a solution phase antibody at 2 µg/ml along with AS32-P in a two site ELISA sensitive to high picogram/ml concentrations of CD152.

General Information:

Cell Distribution: CD152 is expressed on most T lymphocytes. The level of expression is activation-dependent.

Function: CD152 is one of two ligands (the other CD28) for CD80 and CD86. CD152 acts as co-stimulatory molecule in eliciting T-cell help during antigen presentation.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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