

HLA ANTIBODY IDENTIFICATION

Designed to detect panel reactive IgG antibodies (PRA) to Class I or Class II Human Leukocyte Antigens (HLA)

GENERAL INFORMATION

Human Leukocyte Antigens (HLA) are highly polymorphic glycoproteins. Class I HLA is expressed more widely on tissues of the body than Class II HLA. As a result of pregnancy, transfusion or allograft transplantation, approximately 33% of individuals will develop antibodies to HLA.¹ These antibodies exhibit specificity for particular Class I or Class II HLA as well as reactivity to related, cross-reactive epitopes of these glycoproteins. In a patient, these antibodies can cause the immune destruction of transfused platelets and transplanted allografts.² Identifying the HLA specificity of antibodies in patient sera offers clinicians the potential to identify compatible blood products and allografts and to improve patient care.

The GTI Diagnostics HLA Antibody Identification ELISAs are designed to be used as companion products to the HLA Antibody Screening ELISAs: QUICKSCREEN® and B-SCREEN®. Antibodies previously detected with the Screening products may be further characterized with an HLA Antibody Identification product to determine a panel reactive antibody (PRA) value and specificity.

QUIK-ID® CLASS I

Designed to identify antibodies to Class I HLA

QUIK-ID® Class I provides a panel which represents a wide variety of different Class I HLA glycoproteins. The HLA glycoproteins are derived from platelets or EBV transformed B lymphocyte cell lines of 40 individual donors, each immobilized in a different microwell by means of a monoclonal antibody specific for HLA Class I. The HLA Class I type of each donor and the number of wells containing each antigen is provided on the Recording Sheet.

QUIK-ID® CLASS II

Designed to identify antibodies to Class II HLA

QUIK-ID® Class II provides a panel which represents a wide variety of different Class II HLA glycoproteins. The HLA Class II glycoproteins are derived from 30 different EBV transformed B lymphocyte cell lines, each immobilized in a different microwell by means of a monoclonal antibody specific for HLA Class II. The HLA Class II type of each donor and the number of wells containing each antigen is provided on the Recording Sheet.

FEATURES & BENEFITS

- ELISA sensitivity and reliability
- Consistent, carefully selected panels
- Test up to 10 patient samples per kit
- Objective ELISA readout of test results

ORDER INFORMATION

CATALOG NO: QID
 DESCRIPTION: QUIK-ID® Class I
 SIZE: Maximum 10 Tests Per Kit
 AVG SHELF LIFE: 2 Years
 STORAGE: 2-8°C

CATALOG NO: C2ID
 DESCRIPTION: QUIK-ID® Class II
 SIZE: Maximum 10 Tests Per Kit
 AVG SHELF LIFE: 2 Years
 STORAGE: 2-8°C

For In Vitro Diagnostic Use.



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REFERENCES

1. Marsh SGE, Parham P, Barber LD. *The HLA Facts Book* Academic Press 2000, 84-91.
2. Rodey GE. *HLA Beyond Tears*. De Novo, Inc. 2000, 213.
3. Harrison J, Navarrete C. "Selection of Platelet Donors and Provision of HLA Matched Platelets, in Histocompatibility Testing." *Imperial College Press* 2000, 379.
4. Zachary AA, Delaney NC, Lucas DP, Laffell MS. "Characterization of HLA Class I Specific Antibodies by ELISA Using Solubilized Antigen Targets: I. Evaluation of the GTI Quik-ID Assay and Analysis of Antibody Patterns." *Human Immunology* 2001, **62:3**: 228-235.

U.S. Patent #6,046,013



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