

# TOOLS FOR THE DETECTION OF HIGH-DENSITY LIPOPROTEIN TRANSPORT TO AND FROM TISSUES

---

[Huang, Li-Hao, Randolph, Gwendalyn, Zinselmeyer, Bernd](#)

[Gill, John](#)

T-015939

## Background

High-density lipoproteins (HDLs) have been widely studied and linked to various diseases, especially metabolic diseases. HDL levels in the blood have traditionally been used as a benchmark for risk of cardiovascular disease. However, these blood tests may be misleading – HDL levels in the blood do not always represent the cardioprotective activity of HDLs. If HDL trafficking from blood to the interstitial space of tissues is impaired, then HDL cannot perform its job of transporting cholesterol from extravascular cells.

## Technology Summary

Two research tools for studying HDL transport to and from tissues in normal and in disease states are available for licensing.