

## Sophi™ SARI (Shotgun Antigen Retrieval and Identification)

Is a Sophie™ method to find out which antigen(s) is/are bound by antibodies captured and isolated from the sample.

Anti-IgG, IgM, IgA or IgE is firmly immobilized on the Sophi MALDI plate capturing the corresponding Immunoglobulin class present in the sample. After washing and removal of any nonspecific material, the captured antibody to be assayed is incubated with a Sophi Shotgun Reagent consisting of a mixture of antigens of known and characteristic mass spectral position (peak).

When one or more antigens from that mixture is/are specifically bound by the captured sample antibody, it is retrieved from the solution and, after washing and matrix addition, it is subject to MALDI TOF analysis leading to its/their identification due to the characteristic peak position.

**MassSpec Medical provides kits for capturing:** IgG, IgM, IgA and IgE and antigen mixtures containing

- Bacterial, viral, fungal and protozoal proteins
- Autoantigens as well as
- Allergens- both recombinant and native

