Stereospecific Detection Technologies
Reagents beyond the chemistry

SDT GmbH • Pascalstraße 17
52499 Baesweiler • Germany
www.sdt-reagents.de

Product Specification

Product: **Antibody(IgG)/Antigen-PolyHRP Conjugate Stabilizer with High Temperature Stability function, *ready-to-use***

Code Number: #**AA1-HTS**

Lot Number: 522468

Storage: +2°C/+8°C; neutral/borosilicate type I glass, PC/PET/PETG/PP/HD-PE

Expiration date: 03/2024

Appearance: Transparent - to - opalescent white/yellowish colloidal liquid, 0.2/0.45µm-filterable.
Color and opacity of the product may vary and do not correlate with performance.

Odor: Weak, characteristic

Preservative/anti-microbial: 5-Bromo-5-nitro-1,3-dioxane, 1000 ppm

QC release (ELISA-based NSB-eliminating and detection strength boosting activity use test and biotin control): Passed

NOTE: This product is for *in vitro* research or further IVD manufacturing use only.

When correctly used, this product will provide **real-time stability** for ready-to-use Antibody and Antigen PolyHRP conjugates during at least 18 months **at +2°C/+8°C,** over 8 months at +18°C/+22°C (room temperature) and several weeks-months at **+37°C**.

AA1-HTS is the further development of AA1 comprising an AA1 upgrade.
The only difference with the older AA1 is that AA1-HTS has an additional function of High Temperature Stability, i.e. it will effectively provide stability of the highly diluted Ab/Ag-PolyHRP, other PolyHRP and conventional HRP conjugates at elevated temperatures - e.g. at **+37°C**. In all other respects it does not differ from AA1 in what concerns its excellent NSB-blocking activity and PolyHRP-stabilizing activity at +4°C and room temperatures. It is essentially correct to consider AA1-HTS as an improved AA1.

Although specially developed for PolyHRP, this product will work as powerful Stabilizer with conventional Antibody, Antigen, PrA/G-, etc. HRP conjugates, diverse biotinylated reagents, fluorescent (e.g. Cy3/5) conjugates, calibrator and control reagents and other liquid diagnostic formulations as it contains dedicated (miscellaneous) protein stabilizer and strong universal oxygen scavenger components.