INSTITUTE OF IMMUNOLOGY CO., LTD.

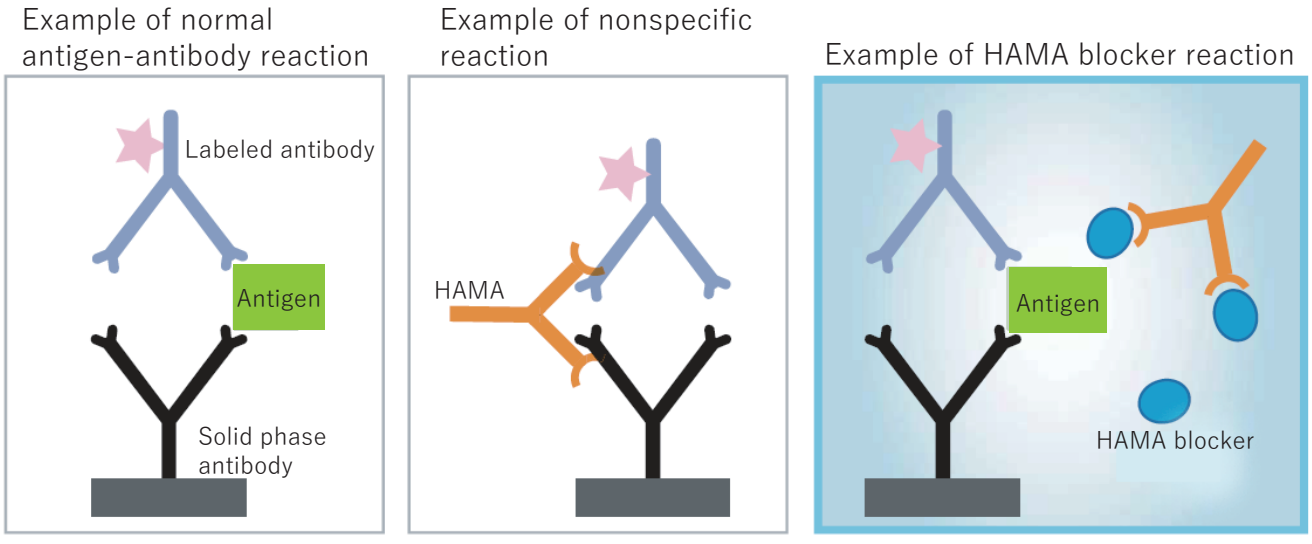
Research use only

HAMA Blocker THBR1-AS THBR2

HAMA (Human Anti Mouse Antibody), which is considered to be present in a few percent of healthy individuals, is one of the causes of false positive results in immunoassays.
In immunoassays, it is common practice to add a HAMA blocker beforehand in the assay system so as to avoid interference by HAMA.
In cases where a false positive due to HAMA is suspected in clinical practice, the addition of a HAMA blocker may help to determine if it is indeed a false positive. This reagent is designed to inhibit interference caused by HAMA in immunoassays.

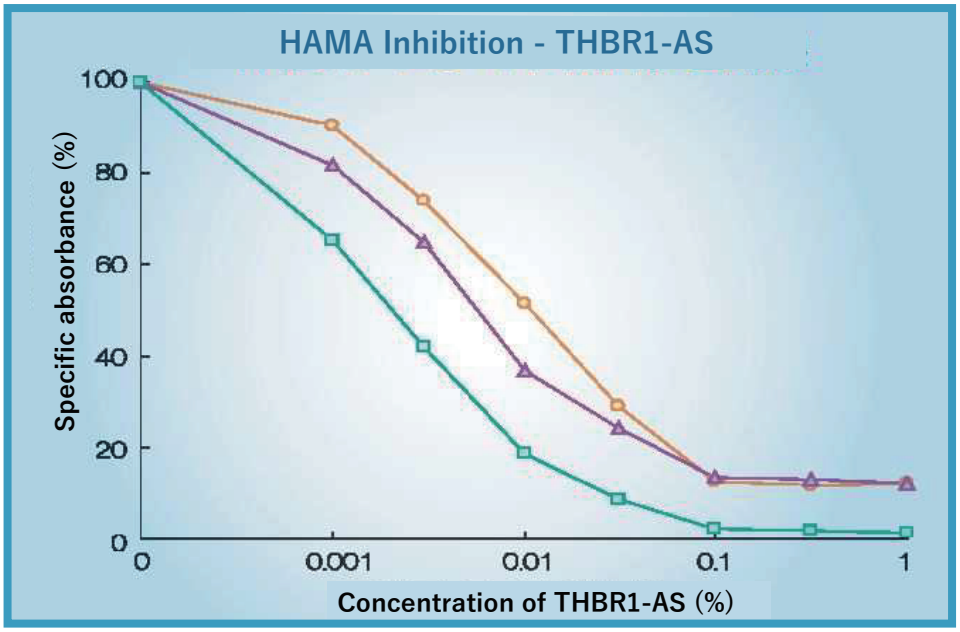
Principle of HAMA Inhibition

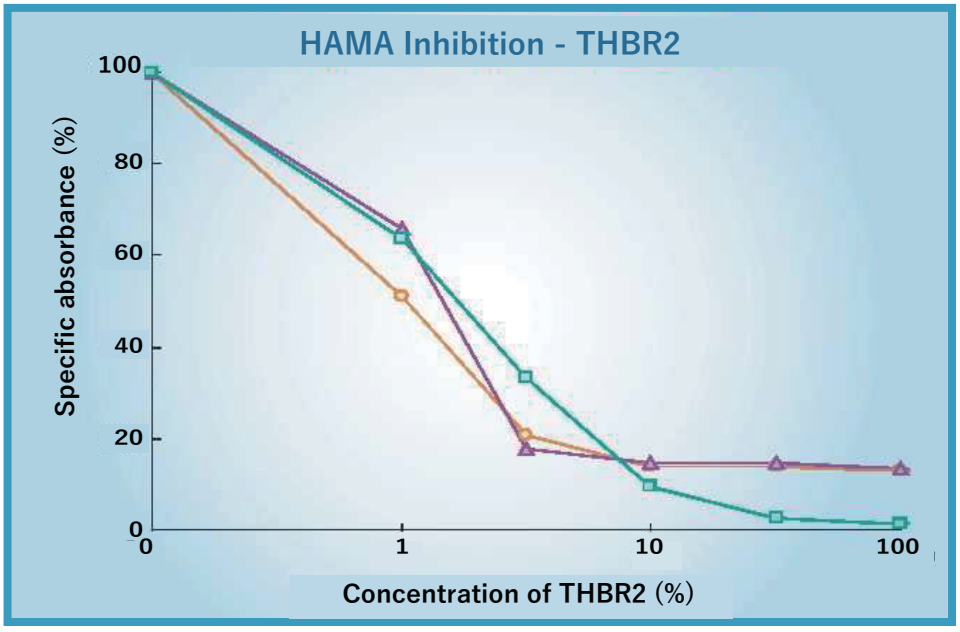
In the sandwich immunoassay using mouse antibodies (I), if HAMA is present in the sample, a cross-linking reaction (nonspecific reaction) between the solid phase antibody and the labeled antibody may occur, causing a false positive result (II).
In this case, the addition of a HAMA blocker blocks HAMA to suppress nonspecific reactions (III).



The effects of THBR1-AS/ THBR2 vary depending on assay systems, non-specific samples, etc.
Every time you use THBR1-AS or THBR2 for a sample product, it is recommended to consider the concentration of THBR1-AS or THBR2 added in its assay system.
THBR1-AS is applicable to the agglutination assay.

Example In 2-step sandwich ELISA using mouse IgG_1 antibody as both solid phase antibody and labeled antibody, THBR1-AS/THBR2 were added to sample diluent and labeled antibody diluent.





In this example, the following additions almost completely suppressed nonspecific reaction caused by HAMA:

THBR1-AS: 0.1-1%
THBR2: 10-100 μg/mL

Product Information

Product code	Product name	Ig class	Source	Package	Storage
2ATHBR1	THBR1-AS	IgG_1	Mouse ascites	1mL	-20°C
2ATHBR2	THBR2	IgM	Mouse ascites	10mg/mL 1mL	-20°C

INSTITUTE OF IMMUNOLOGY CO., LTD.
1-1-10, Koraku, Bunkyo-ku, Tokyo 112-0004, JAPAN
Tel +81-3-3814-4081 Fax +81-3-3814-5957
e-mail : info@tokumen.co.jp
URL : https://www.tokumen.co.jp/en/