Immunoglobulin A (IgA) represents 10–15% of the total Ig molecules in serum and is the predominant Ig isotype in saliva, tears, breast milk, and the gastrointestinal and urogenital tracts. IgA can be quantified in solution by ELISA whereas B cells secreting total IgA as well as antigen-specific IgA can be quantified by ELISpot and FluoroSpot.

**Available formats**

- Antibodies
- ELISA
- ELISpot
- FluoroSpot
- Western blot

For analysis of IgA by **ELISpot** we offer basic ELISpot kits. In the image, PBMCs were incubated for 72h with or without R848 + IL-2 before secretion of total IgA was analyzed.

Detect IgA in combination with IgG and IgM using dual or triple **FluoroSpot** kits. PBMCs were incubated for 3 days with or without R848 + IL-2 before secretion of IgG (red), IgA (green), and IgM (blue) was analyzed.

Our **ELISA** development kits enable quantification of IgA in solution. The graph shows a representative standard curve.

See the back for a list of all human IgA products.
PRODUCT SIZE CODE

Monoclonal antibodies

anti-human IgA mAb MT57, purified 250 μg/1 mg 3860-1-250/1000
anti-human IgA mAb MT57, biotinylated 250 μg/1 mg 3860-4-250/1000
anti-human IgA mAb MT20, biotinylated 250 μg/1 mg 3860-6-250/1000
anti-human IgA mAb MT20, ALP-conjugated 1 ml 3860-9A

IgA1

anti-human IgA1 mAb MT50, purified 250 μg 3861-3-250
anti-human IgA1 mAb MT50, biotinylated 250 μg 3861-6-250

ELISA

Human IgA ELISA development kit (ALP) for 6 or 20 plates 3860-1A-6/20

ELSpot

Human IgA ELISpotBASIC (ALP) for 4 plates 3860-2A
Human IgA ELISpotBASIC (HRP) for 4 plates 3860-2H

FluoroSpot

Dual FluoroSpot
Human IgG/IgA FluoroSpot kit 2 or 10 plates FS-05R06G-2/10

Triple FluoroSpot
Human IgG/IgA/IgM FluoroSpot kit 2 or 10 plates FS-050617-2/10

Human IgA mAb Guide

The table below provides information on how to combine Mabtech’s antibodies for use in human IgA ELISA and ELISpot. Total IgA as well as antigen-specific IgA can be detected by using our optimized combinations of monoclonal antibodies.

**ELISA**

Measure total IgA by ELISA
Measure antigen-specific IgA by ELISA

**Capture reagent**
MT57, purified
coat with antigen

**Detection reagent**
MT20, ALP-conjugated
MT20, biotinylated
or MT20, ALP-conjugated

**ELISpot**

Measure total IgA by ELISpot
Measure antigen-specific IgA by ELISpot
Measure antigen-specific IgA by ELISpot

**Capture reagent**
MT57, purified
coat with antigen
MT57, purified

**Detection reagent**
MT20, biotinylated
MT57, biotinylated
biotinylated antigen