Human IgG FluoroSpot Flex set (550)

FSX-05R-1 / FSX-05R-10

Contents

		For 1 plate	For 10 plates	Stock concentration	Assay concentration
Capture mAbs	Anti-IgG mAbs (MT91/145)	300 µl	3 x 1000 µl	0.5 mg/ml	Dilute to 15 µg/ml *
Fluorophore-conjugated detection mAbs	Anti-IgG mAbs (MT78/145), 550	25 µl	250 µl	500x	Dilute 1:500

The capture mAb is supplied in sterile filtered PBS with 0.02% sodium azide. The fluorophore-conjugate contains 0.002% Kathon CG.

*Reagents should not be diluted in advance of the assay.

Storage
Shipped at ambient temperature. Store product refrigerated at 4-8 °C upon receipt. The expiry date indicates how long unopened products, stored according to instructions, are recommended to remain in use.

Application
FluoroSpot

Specificity
Human IgG

Cross-reacts with IgG from non-human primates. Please visit www.mabtech.com/NHP for information on reactivity with monkey species.

Assay conditions
A general protocol for the FluoroSpot assay is provided in the package. It is also available at www.mabtech.com.

Recommendations
Cell numbers: Triplicates or duplicates of 100,000-500,000 cells per well are often used to assess antigen-specific responses. For detection of total IgG, less cells (e.g. 25,000-50,000 cells per well) may be used to avoid confluent spot formation.

Cell incubation: 16-24 hours in the plate.

In vivo activated B cells (e.g. after vaccination) may be analyzed directly in the FluoroSpot assay. Memory B cells may require polyclonal pre-stimulation (48-72 hours) to secrete detectable amounts of antibody. Such stimulation is induced by a mixture of the TLR7/8 agonist R848 and recombinant IL-2.

Reader requirements
A FluoroSpot reader equipped with a bandpass filter for excitation at 550 nm and emission at 570 nm (e.g., LED550, Cy3-equivalent) is recommended for analysis.

Note; for research use only.
Mabtech shall not be liable for the use or handling of the product or for consequential, special, indirect or incidental damages therefrom.

Developed and manufactured by MABTECH AB, Sweden, whose quality management system complies with the standards ISO 9001:2015 & ISO 13485:2016.

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