MAYO CLINIC
Mayo Medical Laboratories

Test Definition: LPA3P

Lymphocyte Proliferation to Anti-CD3/Anti-CD28 and Anti-CD3/Interleukin-2 (IL-2) by Flow Cytometry

Reporting Title: Lymphocyte Proliferation, aCD3
Performing Location: Rochester

Specimen Requirements:

It is recommended that specimens arrive within 24 hours of draw, accepted up to 48 hours. Specimens are required to be received in the lab weekdays and by 4 pm on Friday. No weekend processing. Draw and package specimen as close to shipping time as possible.

Container/Tube: Green top (sodium heparin)
Specimen Volume:
<3 months: 1 mL
3 months-5 years: 3 mL
6-18 years: 5 mL
>18 years: 20 mL
Collection Instructions:
1. Send specimen is original tube. Do not aliquot.
2. Ship specimen priority overnight in an Ambient Mailer-Critical Specimens Only (Supply T668).
Additional Information:
1. Date and time of draw and ordering physician name and phone number are required.
2. For serial monitoring, we recommend that specimen draws be performed at the same time of day.

Specimen Type	Temperature	Time
WB Sodium Heparin	Ambient	48 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
35203	Viab of Lymphs at Day 0	Numeric	%	In Process
35171	Max Prolif, soluble aCD3 as % CD45	Alphanumeric	%	In Process
35172	Max Prolif, soluble aCD3 as % CD3	Alphanumeric	%	In Process
35173	Max Prolif, soluble aCD28 as % CD45	Alphanumeric	%	In Process
35174	Max Prolif, soluble aCD28 as % CD3	Alphanumeric	%	In Process
35176	Max Prolif, soluble IL2 as % CD45	Alphanumeric	%	In Process
35177	Max Prolif, soluble IL2 as % CD3	Alphanumeric	%	In Process
35205	Interpretation	Alphanumeric		In Process
35204	aCD3 Comment	Alphanumeric		In Process

CPT Code: 2 × 86353

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
ADSTM	Additional Flow Stimulant	1	86353	No	No

Reference Values:

Viability of lymphocytes at day 0: > or =75.0%
Maximum proliferation of anti-CD3 as % CD45: > or =19.4%
Maximum proliferation of anti-CD3 as % CD3: > or =20.3%
Maximum proliferation of anti-CD3 + anti-CD28 as % CD45: > or =37.5%
Maximum proliferation of anti-CD3 + anti-CD28 as % CD3: > or =44.6%
Maximum proliferation of anti-CD3 + IL-2 as % CD45: > or =41.7%
Maximum proliferation of anti-CD3 + IL-2 as % CD3: > or =46.2%