

Journal of Hepatology

CTAT methods

Tables for a “Complete, Transparent, Accurate and Timely account” (CTAT) are now mandatory for all revised submissions. The aim is to enhance the reproducibility of methods.

- Only include the parts relevant to your study
- Refer to the CTAT in the main text as ‘Supplementary CTAT Table’
- Do not add subheadings
- Add as many rows as needed to include all information
- Only include one item per row

If the CTAT form is not relevant to your study, please outline the reasons why:

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1.1 Antibodies

Name	Citation	Supplier	Cat no.	Clone no.
CD103		Biologend	350218	Ber-ACT8
CD127		Biologend	351326	A019D5
CD160		Biologend	341210	BY55
CD161		Biologend	339904	HP-3G10
CD183		Biologend	353732	G025H7
CD194		Biologend	359410	L291H4
CD196		Biologend	353406	G034E3
CD197		Biologend	353218	G043H7
CD223		Biologend	369304	11C3C65
CD25		Biologend	302630	BC96
CD27		Biologend	302816	O323
CD272		Biologend	344511	MIH26
CD279		Biologend	329924	EH12.2H7
CD28		Biologend	302926	CD28.2
CD3		Biologend	317336	OKT3
CD39		Biologend	328212	A1
CD4		Biologend	317426	OKT4
CD4		Biologend	300548	RPA-T4
CD45		Biologend	304048	HI30
CD45RA		Biologend	304138	HI100
CD49a		Biologend	328312	TS2/7
CD49b		Biologend	359619	P1E6-C5
CD57		Biologend	359619	HNK-1
CD62L		Biologend	304843	Clo
CD69		Biologend	310926	FN50
CD73		Biologend	344004	AD2
CD8		Biologend	301028	HIT8a
CD8		Biologend	300930	HIT8a
HLA-DR		Biologend	307604	L243
TCRVa7.2		Biologend	351708	3C10
TCRgd		BD	655410	11F2
CD25		Biologend	302643	BC96

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CD127		Biologend	351352	A019D5
CD194		Biologend	359423	L291H4
CD183		Biologend	353745	G025H7
CD279		Biologend	329955	EH12.2H7
CD223		Biologend	369333	11C3C65
CD152		Biologend	369619	BNI3
TIGIT		Biologend	372725	A15153G
CD4		Biologend	344649	SK3
CD8		Biologend	344751	SK1
HLA-DR		Biologend	307659	L243
TCRgd		Biologend	331229	B1
CD56		Biologend	362557	5.1H11
CD314		Biologend	320835	1D11
CD45RA		Biologend	304157	HI100
CD197		Biologend	353247	G043H7
CD49b		Biologend	359311	P1E6-C5
CD196		Biologend	353401	G034E3
TCRab		Biologend	306702	IP26
CD366		Biologend	345001	F38-2E2
IL-17A		Biologend	512301	BL168
CD45		Biologend	368502	2D1
CD57		Biologend	359602	HNK-1
CD45RA		LifeSpan Bio	LSC389880	PTPRC/1131
CD4		DAKO	MA5-12259	4B12

1.2 Cell lines

Name	Citation	Supplier	Cat no.	Passage no.	Authentication test method

1.3 Organisms

Name	Citation	Supplier	Strain	Sex	Age	Overall n number

1.4 Sequence based reagents

Name	Barcode-Sequence	Oligo-Sequence	Supplier
CD196-ADT	CAAAAG	Biotin- CCTTGGCACCCGAGAATTCCAC AAAAGBAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAA*A*A	Biomers (Custom made)
TCRgd-ADT	CAACTA	Biotin- CCTTGGCACCCGAGAATTCCAC AACTABAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAA*A*A	Biomers (Custom made)

CD366-ADT	CACCGG	Biotin- CCTTGGCACCCGAGAATTCCAC ACCGGBAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAA*A*A	Biomers (Custom made)
IL17-A-ADT	CACGAT	Biotin- CCTTGGCACCCGAGAATTCCAC ACGATBAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAA*A*A	Biomers (Custom made)
CD45-ADT	CAGGCG	Biotin- CCTTGGCACCCGAGAATTCCAC AGGCGBAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAA*A*A	Biomers (Custom made)
CD57-ADT	CATGGC	Biotin- CCTTGGCACCCGAGAATTCCAC ATGGCBAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAA*A*A	Biomers (Custom made)

1.5 Biological samples

Description	Source	Identifier
Peripheral Blood	University Medical Center Hamburg-Eppendorf, UKE, Hamburg, Germany	Referred to as "Blood" in patient tables
Cirrhotic explant liver tissue	University Medical Center Hamburg-Eppendorf, UKE, Hamburg, Germany	Referred to as "Liver" in patient tables
Non-cirrhotic CCA resection margin	University Medical Center Hamburg-Eppendorf, UKE, Hamburg, Germany	Referred to as "Liver early" in patient tables
Non-cirrhotic tumour resection margin	Asklepios Hospital Barmbek, Semmelweis University of Medicine Hamburg, Germany	Referred to as "LRM liver" in patient tables

1.6 Deposited data

Name of repository	Identifier	Link
EBI ArrayExpress	E-MTAB-10143	https://www.ebi.ac.uk/arrayexpress/experiments/

1.7 Software

Software name	Manufacturer	Version
GraphPad Prism	GraphPad San Diego, USA	Versions 6 & 8
BD FACS Diva Software	BD Biosciences, USA	Version 8
FlowJo	BD Biosciences, USA	Version 10.6.2
R	The R Foundation, Austria	Version 3.6.2
CellRanger	10x Genomics, USA	Version 3.0.2
CellRanger-Atac	10x Genomics, USA	Version 1.2.0
CellRanger-VDJ	10x Genomics, USA	Version 3.1.0
GREAT	Stanford University, USA	Version 4.0.4
HOMER	University of California, USA	Version 4.11

1.8 Other (e.g. drugs, proteins, vectors etc.)

1.9 Please provide the details of the corresponding methods author for the manuscript:

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2.0 Please confirm for randomised controlled trials all versions of the clinical protocol are included in the submission. These will be published online as supplementary information.

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