

1

```
#+ summary: Unique AS, CT, and B in HRA

PREFIX ccf: <http://purl.org/ccf/>
PREFIX HRA: <https://purl.humanatlas.io/collection/hra>

SELECT ?asctb_type (COUNT(DISTINCT(?iri)) as ?count)
FROM HRA:
WHERE {
  ?iri ccf:ccf_asctb_type ?asctb_type
}
GROUP BY ?asctb_type
ORDER BY ?asctb_type
```

REQUEST

QUERY-STRING PARAMETERS

endpoint
string

2 Default: <https://lod.humanatlas.io/sparql>

Alternative endpoint for SPARQL query

API Server <https://grlc.io/api-git/hubmapconsortium/ccf-grlc/subdir/hra/>
Authentication Not Required

3 FILL EXAMPLE

CLEAR

TRY

RESPONSE

200

default

Query response

EXAMPLE

SCHEMA

text/csv

```
[
  {}
]
```

4

Response Status: OK:200

Took 2207 milliseconds

CLEAR RESPONSE

RESPONSE

RESPONSE HEADERS

CURL

```
asctb_type,count
AS,4694
BM,2018
CT,1288
```

1

Copy

2

QUERY-STRING PARAMETERS

endpoint
string

Default: https://lod.humanatlas.io/sparql

Alternative endpoint for SPARQL query

* asctb
iri

Default: https://purl.humanatlas.io/asct-b/lymph-node

A value of type string (iri) that will substitute ?_asctb_iri in the original query

API Server https://grlc.io/api-git/hubmapconsortium/ccf-grlc/subdir/hra/
Authentication Not Required

FILL EXAMPLE

CLEAR

TRY

QUERY-STRING PARAMETERS

endpoint
string

Default: https://lod.humanatlas.io/sparql

Alternative endpoint for SPARQL query

* asctb
iri

Default: https://purl.humanatlas.io/asct-b/lymph-node

A value of type string (iri) that will substitute ?_asctb_iri in the original query

API Server https://grlc.io/api-git/hubmapconsortium/ccf-grlc/subdir/hra/
Authentication Not Required

FILL EXAMPLE

CLEAR

TRY

Response Status: OK:200
Took 2837 milliseconds

CLEAR RESPONSE

RESPONSE RESPONSE HEADERS CURL

```
as_label,ct_label,bm_label,as,ct,bm,bmType
Afferent lymphatic vessel,Endothelial Cell of Lymphatic Vessel,Lyve1,http://purl.obolibrary.org/obo/UBERON_001031
Afferent lymphatic vessel,Smooth Muscle Cell,ACTA2,http://purl.obolibrary.org/obo/UBERON_001031
Afferent lymphatic vessel,Endothelial Cell of Lymphatic Vessel,TNFRSF9,http://purl.obolibrary.org/obo/UBERON_001031
Afferent lymphatic vessel,Endothelial Cell of Lymphatic Vessel,CLEC4M,http://purl.obolibrary.org/obo/UBERON_001031
Afferent lymphatic vessel,Endothelial Cell of Lymphatic Vessel,CAV1,http://purl.obolibrary.org/obo/UBERON_001031
Afferent lymphatic vessel,Endothelial Cell of Lymphatic Vessel,ACKR4,http://purl.obolibrary.org/obo/UBERON_001031
Afferent lymphatic vessel,Endothelial Cell of Lymphatic Vessel,Podoplanin,http://purl.obolibrary.org/obo/UBERON_001031
Afferent lymphatic vessel,Endothelial Cell of Lymphatic Vessel,MFAP4,http://purl.obolibrary.org/obo/UBERON_001031
```

Copy