

### HUMORAL IMMUNITY ~ REVIEW

#### MOLECULES THAT BIND AG

<b>MHC</b> (on APCs)	binds <b>peptides</b> from protein Ag and presents to <b>T-cells</b>
<b>TCR</b> (on T-cells)	binds a <i>specific Ag</i> in <b>context of MHC (processed Ag!)</b>
<b>BCR</b> (on B-cells)	binds a <i>specific Ag</i> in <b>**FREE solution (UNprocessed Ag!)</b>

#### AB REGIONS

<b>F(ab) region</b>	determines <b>Ag specificity</b> binds Ag at its <b>variable region</b>
<b>Fc region</b>	determines <b>Ab class</b> binds to the host cells via its <b>constant region</b> determines the Ab class' <b>biological activity</b>

### ASSESSING A HUMORAL IMMUNE RESPONSE

#### DETERMINATION OF:

1. Pathogen exposure
2. Vaccine effectiveness
3. Level and kind of Ab response
4. Sufficient passive transfer of Ab

#### DETECTION OF AB LEVEL/CLASS IN:

- > serum
- > CSF
- > joint fluid



By Carsonmccall

Not published yet.

Last updated 30th November, 2024.

Page 1 of 1.

Sponsored by **Readable.com**

Measure your website readability!

<https://readable.com>